DINOSAURS OF THE WORLD

A FIELD GUIDE TO OVER 50 SPECIES OF PREHISTORIC CREATURES

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BROUGHT TO YOU BY DEPARTMENT OF PREHISTORIC WILDLIFE

IN COLLABORATION WITH biosyn GENETICS

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THE MESOZOIC ERA

OVERVIEW

THE DINOSAURS, PTEROSAURS AND MARINE REPTILES THAT HAVE BEEN REVIVED INTO OUR WORLD ORIGINALLY LIVED DURING THE MESOZOIC ERA, A MAJESTIC TIME PERIOD SPANNING FROM 225-65 MYA. THIS GOLDEN AGE OF LIFE SAW THE END OF AN ERA OF SYNAPSIDS AND GIANT INSECTS, THE RISE OF THE DINOSAURS AND FLOWERING PLANTS AND A CATASTROPHIC EXTINCTION EVENT THAT LAID THE GROUNDWORK FOR THE AGE OF MAMMALS. IT WAS SPLIT INTO THE TRIASSIC, JURASSIC AND CRETACEOUS PERIODS THAT WERE EACH UNIQUE IN THEIR OWN RIGHTS.

TRIASSIC

TIME: 225-200MYA
EARTH: SUPERCONTINENT PANGEA
WEATHER: HOT AND DRY
PLANTS: GINKGOES, FERNS AND CYCADS
DINOSAURS: EARLY THEROPODS AND PROSAUROPODS

JURASSIC

TIME: 200-145MYA
EARTH: LAURASIA AND GONDWANA
WEATHER: WARM, SEASONAL, NO ICE CAPS
PLANTS: +CONIFERS
DINOSAURS: STEGOSAURS, SAUROPODS, CARNOSAURS

CRETACEOUS

TIME: 145-65MYA
EARTH: MODERN CONTINENTS FORM
WEATHER: WARM, HUMID, SEASONAL, ICE CAPS, INCREASE IN VOLACNIC ACTIVITY
PLANTS: + FLOWERING PLANTS
DINOSAURS: ALL GROUPS PREVALENT

DINOSAUR CLONING

ORIGINS

MOST DINOSAUR DNA IS NOT VIABLE AFTER UNDERGOING THE FOSSILISATION PROCESS. INGEN WAS ABLE TO BYPASS THIS IN THE EARLY 90'S BY EXTRACTING DNA FROM MOSQUITOES PRESERVED IN AMBER. WITH FUNDING FROM JOHN HAMMOND, THEY DEVELOPED STATE-OF-THE-ART, SPECIALISED TECHNOLOGY TO STREAMLINE THE PROCESS OF EXTRACTING, SEQUENCING AND REPAIRING DINOSAUR GENOMES AND EVENTUALLY COMPLETING AROUND 15 SPECIES. THESE WERE BRED ON ISLA SORNA AND WERE SET TO BE DISPLAYED AT JURASSIC PARK ON ISLA NUBLAR, PLOTS OF LAND LEASED TO JOHN HAMMOND BY THE COSTA RICAN GOVERNMENT. THESE OPERATIONS WERE SHUT DOWN AFTER A SERIES OF UNFORTUNATE ACCIDENTS.

JURASSIC WORLD

AFTER THE PASSING OF JOHN HAMMOND, MASRANI GLOBAL ACQUIRED INGEN AND BEGAN WORKS TO CONSTRUCT JURASSIC WORLD. LEAD GENETICIST, DR HENRY WU, CONTINUED HIS WORK HERE IN TERMS OF CLONING DINOSAURS BUT ALSO IN THE CREATION OF GENTIC HYBRIDS. THIS WAS FIRST EXPLORED IN HIS WORK ON CREATING THE KARACOSIS WUTANSIS AND LATER THE INDOMINUS REX WHICH WOULD LEAD TO JURASSIC WORLD'S DOWNFALL.

LOCKWOOD INCIDENT

AFTER 3 YEARS OF LIVING UNDISTURBED ON NUBLAR, THE INEVITABLE ERUPTION OF MOUNT SIBO THREATENED THE SURVIVAL OF THE REMAINING DINOSAURS, LEADING TO AN OPERATION WHICH LEAD TO A SMALL POPULATION BEING BROUGHT TO THE MAINLAND. FOLLOWING AN ILLEGAL AUCTION AND OTHER EVENTS, THESE WERE EVENTUALLY RELEASED INTO THE FORESTS OF CALIFORNIA. GENETIC TECHNOLOGY AND VARIOUS EMBRYOS WERE ALSO STOLEN LEADING TO INCREASED ILLEGAL CLONING ACTIVITY.

Who are we?

As a result of the Lockwood Manor incident and the increase in dinosaurs around the world, the Department of Prehistoric Wildlife was formed. The Department of Prehistoric Wildlife (DPW) is a global organization that publishes up-to-date reports on dinosaur encounters, user-submitted sightings, and vital information, to facilitate the co-existence of humans and dinosaurs on our planet. Formed in 2019, the DPW works with leading scientists, conservationists, and paleo-veterinarians around the world to ensure the protection of our human and prehistoric population.

DINO TRACKER

Our newliy launched dino tracker site allows everyone to acquire the latest information about dinosaur sightings around the world and provides timely warnings to users of our app. It also provides information on various dinosaurs species and shows relevant footage of recent incidents. Be a part of the DPW by submitting your dino encounters using the hashtag #dinotracker and do your part in keeping everyone safe.

SANCTUARY

We have partnered with Biosyn Genetics on this journey to reconcile humanity with these ancient creatures. They have prepared a secure, dinosaur sanctuary in a classified location within the Dolomite Mountain range. Dinosaurs captured by the DPW are to be safely housed here for medical research purposes and to keep them isolated from human activity.

GENERAL GUIDANCE

WARNING: ANY ENCOUNTER WITH A DINOSAUR CAN BE POTENTIALLY FATAL. IF A DINOSAUR BECOMES AGGRESSIVE IT MAY ALREADY BE TOO LATE. THE ADVICE GIVEN HERE SHOULD ONLY BE USED AS A LAST RESORT. AVOIDING CONTACT WITH THIS ANIMAL IS YOUR FIRST AND BEST DEFENSE.

THE DEPARTMENT OF PREHISTORIC WILDLIFE RECOMMENDS:

DO:

- REMAIN CALM, TAKE COVER AND HIDE IF POSSIBLE
- READ AVAILABLE SIGNS AND BE OBSERVANT OF SIGNS OF DINOSAUR ACTIVITY
- AVOID NESTING SITES
- STAY TOGETHER IN GROUPS
- RUN AWAY IN A ZIG ZAG PATTERN
- MOVE PERPENDICULAR TO A STAMPEDE
- KEEP DINOSAUR IN SIGHT WHEN TRYING TO RUN

DON'T:

- APPROACH DINOSAURS
- FEED DINOSAURS
- TOUCH OR PET DINSOAURS
- KEEP DINOSAURS AS PETS
- APPROACH FROM BEHIND OR TRY TO INTIMIDATE
- MAKE LOUD NOISES OR WAVE HANDS
- ASSUME THAT THE DINOSAUR IS ALONE
- ASSUME JUVENILES ARE LESS DANGEROUS
- TAKE DINOSAUR EGGS
- DO NOT TURN YOUR BACK ON DINOSAURS WHEN ESCAPING

ILLEGAL ACTIVITY

The DPW and law enforcement task forces are working tirelessly to crack down on the prehistoric animal black market and illegal businesses. This is a lucrative and highly illegal activity that has sadly grown since these animals have been introduced to the wild. Several hubs of this black market trade have been located and shut down, with those responsible facing justice for their involvement in the trade of Prehistoric contraband. DPW and Law Enforcement task forces continue to monitor and crack down on dinosaur black markets, and substantial financial rewards have been offered for any information leading to the identification of a reported location in Malta.

Illegal activities include:

- The unauthorised capture and keeping of prehistoric creatures or their eggs
- The trafficking, selling or purchasing of prehistoric creatures (dead or alive)
- The unauthorised selling of products made from prehistoric creatures
- The transport of prehistoric creatures without a license
- The purchase of tickets for or involvement in underground dinosaur fighting rings
- The unauthorised cloning of prehistoric creatures or extraction of their genetic materials

USING THIS BOOK

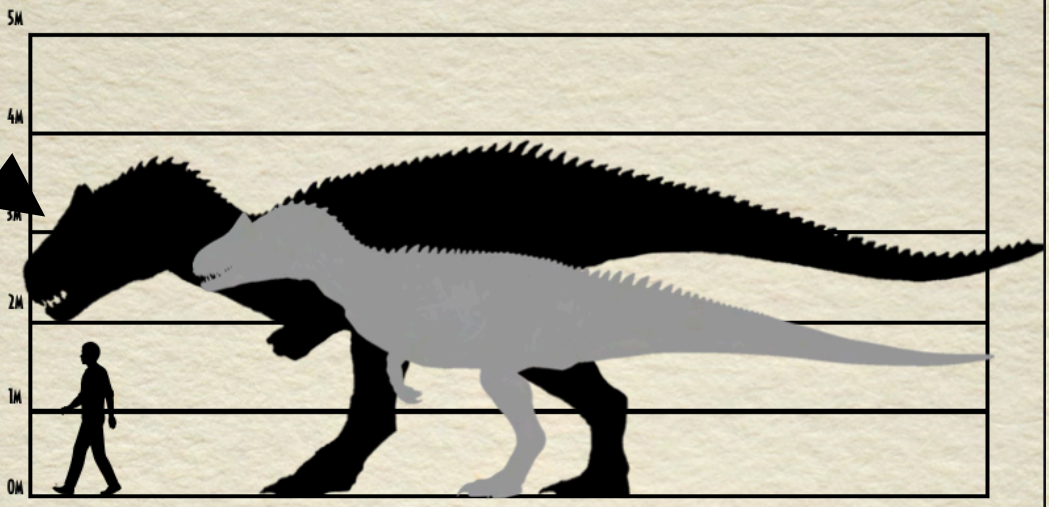
SPECIES NAME AND MEANING

SIZE COMPARISON

FUN FACTS!

SIZE AND PALEONTOLOGICAL DATA

SPECIES PROFILE: ALLOSAURUS JIMMADSENI (DIFFERENT LIZARD)



HEIGHT: 3.2-4.0M
LENGTH: 10.4-12.1M
ERA: LATE JURASSIC
DIET: CARNIVORE
DANGER LEVEL: HIGH
DIG SITES: CLEVELAND LLOYD, MORRISON FORMATION
FOUND IN: NORTH AMERICA, AFRICA, EUROPE

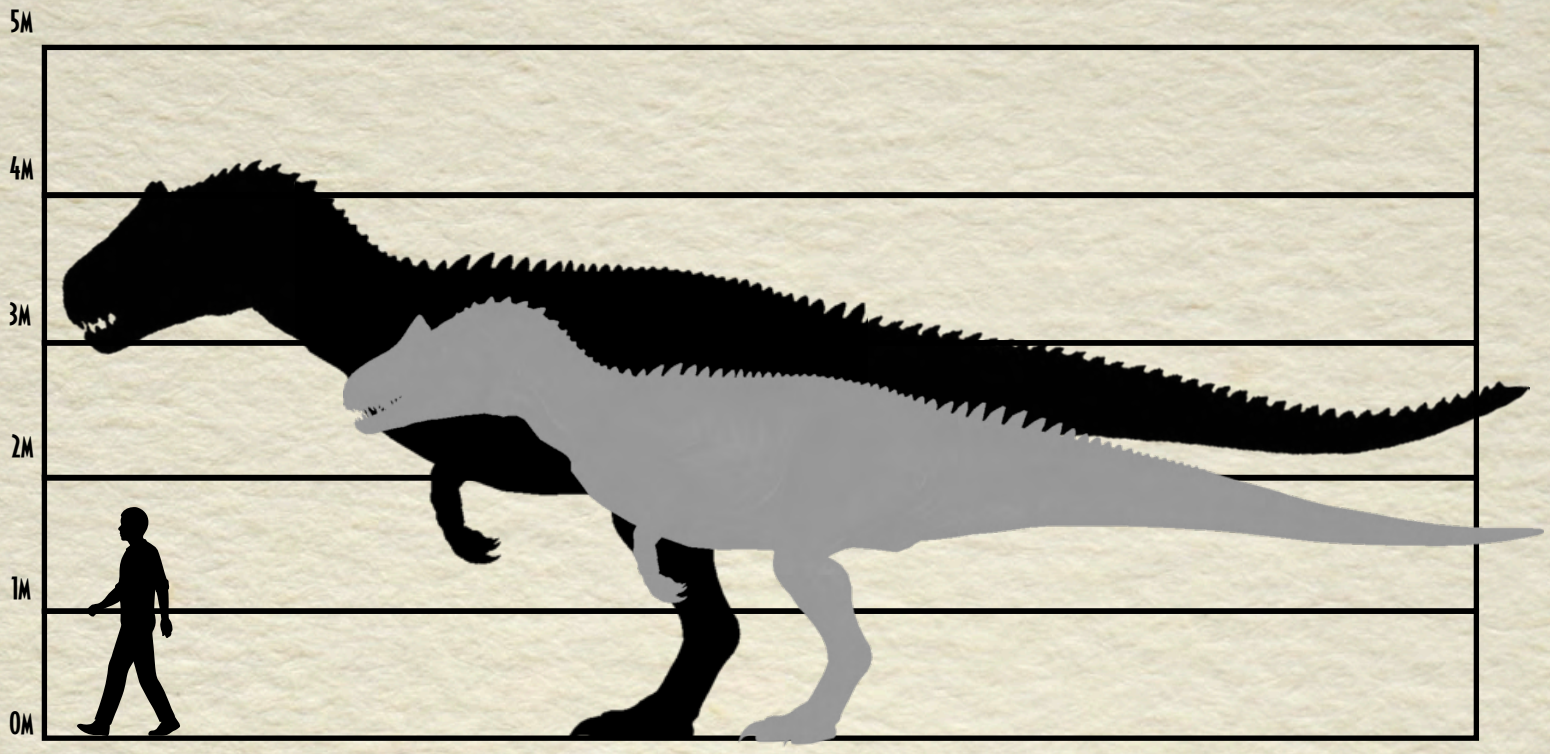
DINO FACT!

ALLOSAURUS WAS ONE OF THE MOST ABUNDANT PREDATORS OF THE LATE JURASSIC AND HAD A MOUTH FULL OF SERRATED TEETH WHICH IT COULD OPEN MORE THAN 90°

CORE MODULE

"WE NOT ONLY LACK DOMINION OVER NATURE,
WE'RE SUBORDINATE TO IT..."

SPECIES PROFILE: ALLOSAURUS JIMMADSENI (DIFFERENT LIZARD)



HEIGHT: 3.2-4.0M

LENGTH: 10.4-12.1M

ERA: LATE JURASSIC

DIET: CARNIVORE

DANGER LEVEL: HIGH

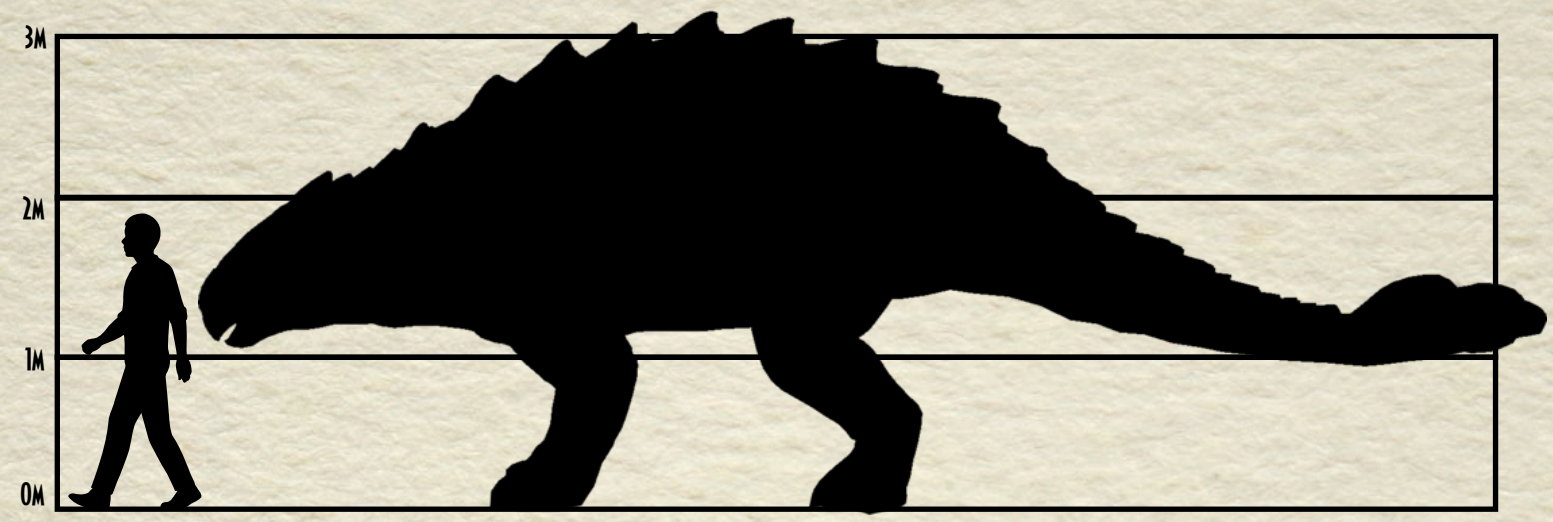
DIG SITES: CLEVELAND LLOYD, MORRISON FORMATION

FOUND IN: NORTH AMERICA, AFRICA, EUROPE

DINO FACT!

ALLOSAURUS WAS ONE OF THE MOST ABUNDANT PREDATORS OF THE LATE JURASSIC AND HAD A MOUTH FULL OF SERRATED TEETH WHICH IT COULD OPEN MORE THAN 90*

SPECIES PROFILE: ANKYLOSAURUS MAGNIVENTRIS (FUSED LIZARD)



HEIGHT: 2.4–3.6M

LENGTH: 7.6–9.6M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: MEDIUM

DIG SITES: HELL CREEK, LANCE, SCOLLARD FORMATIONS

FOUND IN: NORTH AMERICA

DINO FACT!

ANKYLOSAURUS HAD MANY SMALL, SIDEWAYS-COMPRESSED, LEAF-SHAPED TEETH ALLOWING THEM TO FIT MORE TEETH IN THEIR MOUTHS THAN OTHER ANKYLOSAURS

SPECIES PROFILE: APATOSAURUS AJAX (DECEPTIVE LIZARD)

HEIGHT: 5.5–6.9M

LENGTH: 23.1–27.4M

ERA: LATE JURASSIC

DIET: HERBIVORE

DANGER LEVEL: LOW

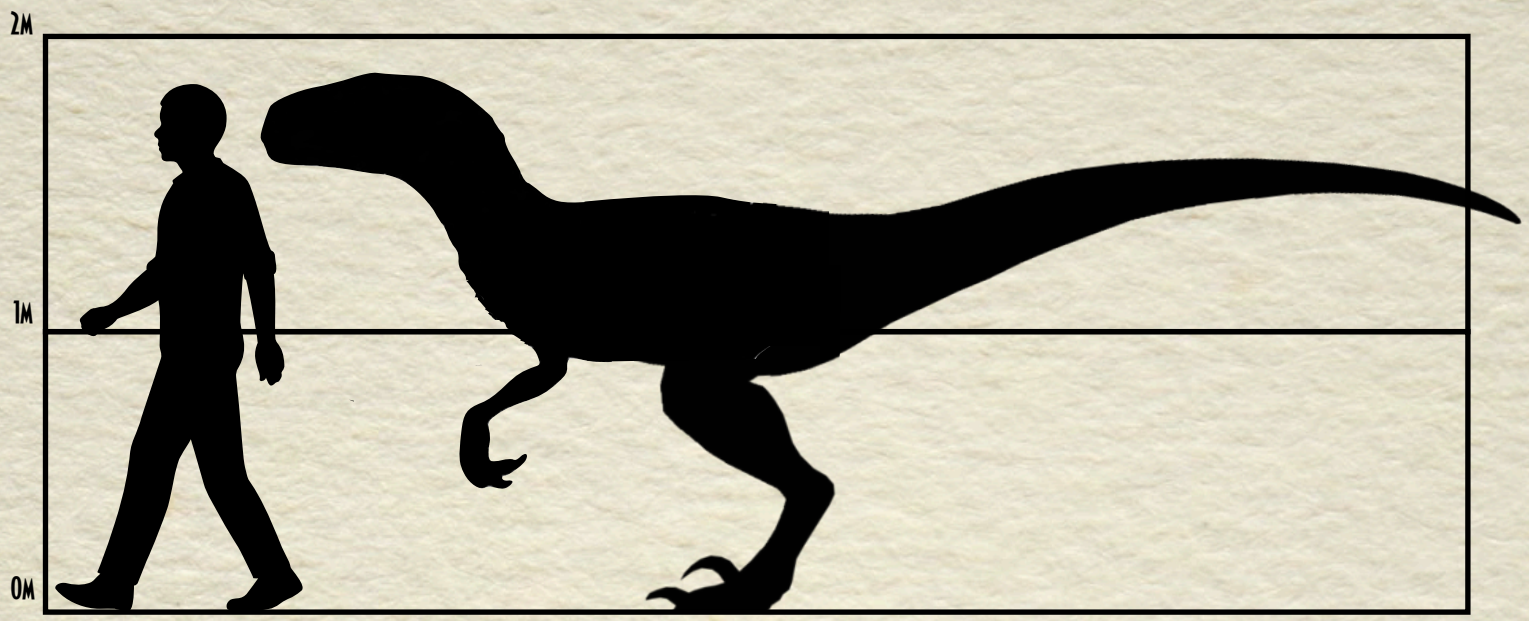
DIG SITES: DINOSAUR NATIONAL MONUMENT, MORRISON FORMATIONS

FOUND IN: NORTH AMERICA AND EUROPE

DINO FACT!

DESPITE HAVING LONGER LEGS AND SHORTER VERTEBRAE, APATOSAURUS WAS MORE HEAVILY BUILT THAN OTHER SAUROPODS

SPECIES PROFILE: ATROCIRAPTOR MARSHALLI (SAVAGE THIEF)



HEIGHT: 1.7-2.0M

LENGTH: 3.0-3.9M

ERA: LATE CRETACEOUS

DIET: CARNIVORE

DANGER LEVEL: HIGH

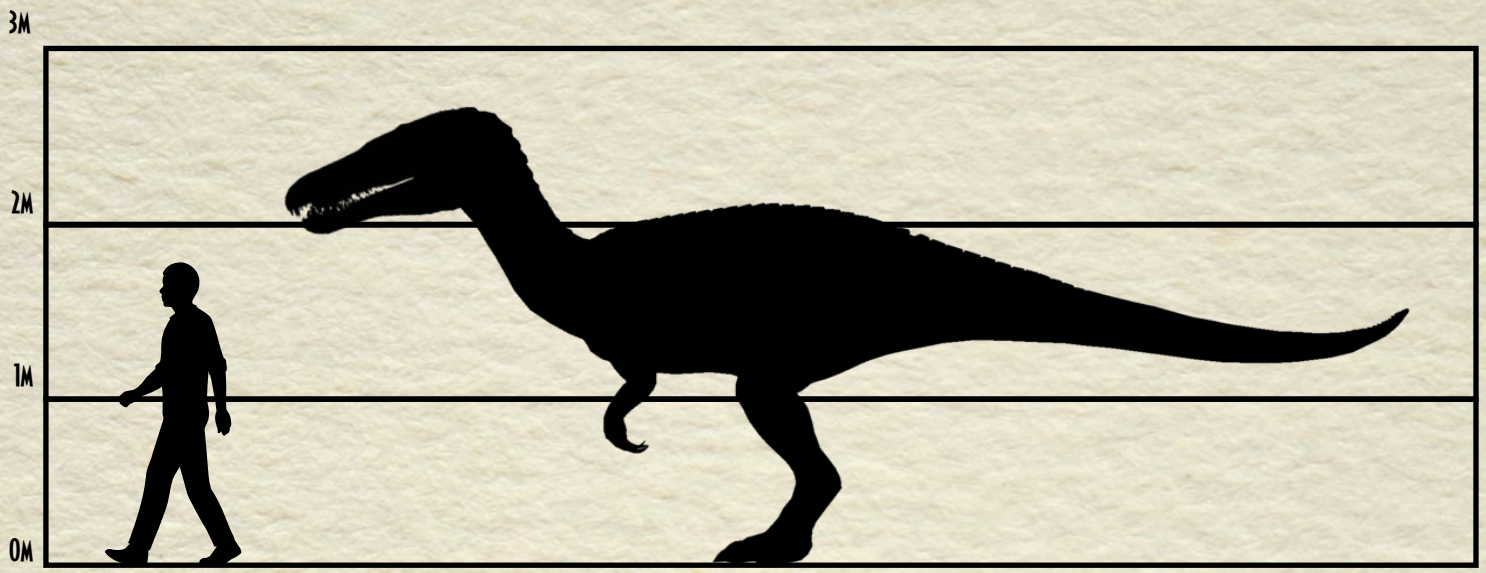
DIG SITES: HORSHOE CANYON FORMATION

FOUND IN: NORTH AMERICA

DINO FACT!

IT IS SUGGESTED THAT ATROCIRAPTOR'S SHORTER, TALLER AND THICKER SNOUT GAVE IT A STRONGER BITE FORCE THAN OTHER DROMAEOSAURS

SPECIES PROFILE: BARYONYX WALKERI (HEAVY CLAW)



HEIGHT: 2.6–2.9M

LENGTH: 9.1–10.2M

ERA: LATE CRETACEOUS

DIET: PISCIVORE/CARNIVORE

DANGER LEVEL: HIGH

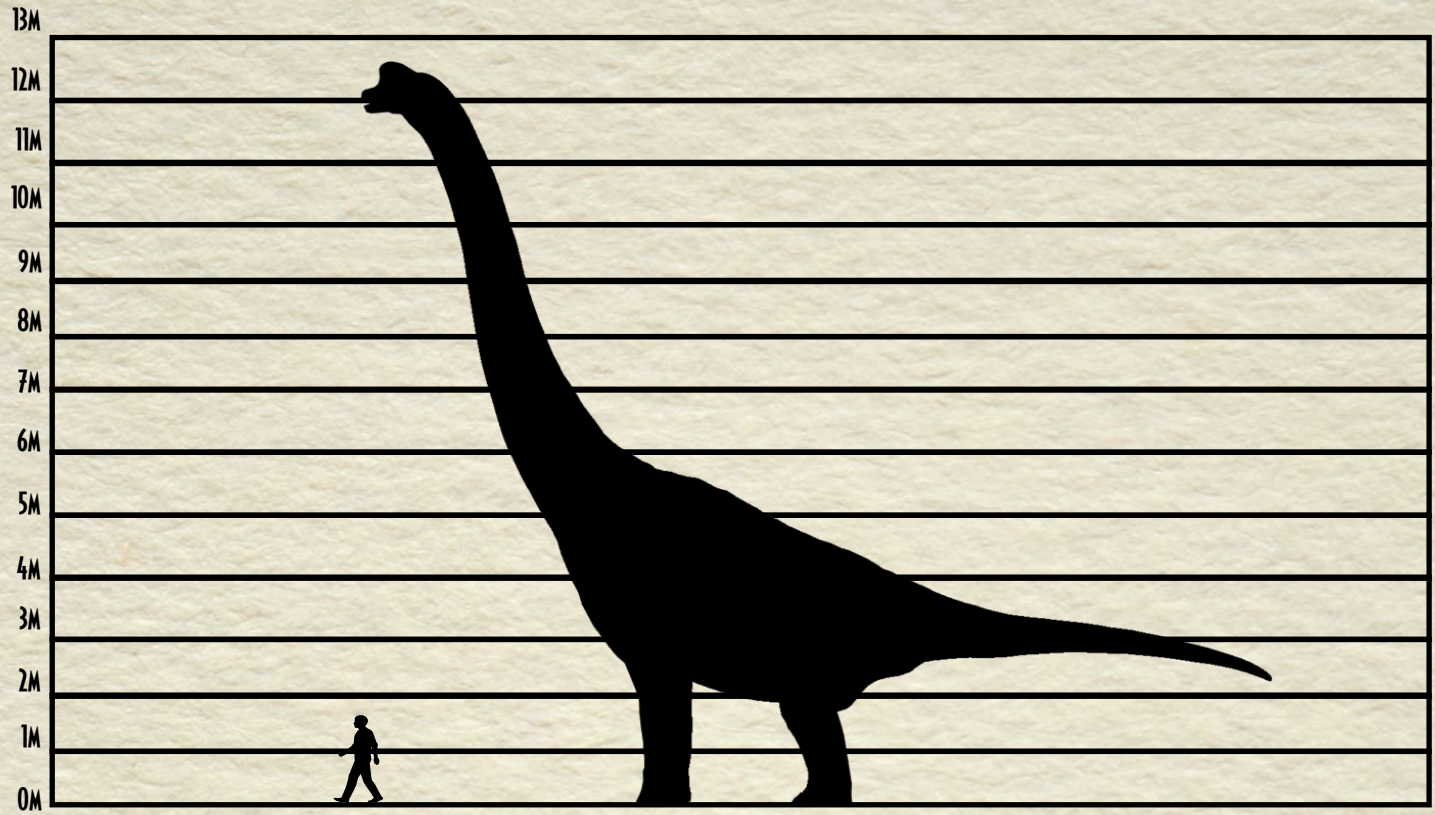
DIG SITES: ISLE OF WIGHT, SMOKEJACK CLAY PIT

FOUND IN: EUROPE

DINO FACT!

IN A RECENT STUDY, BARYONYX WAS FOUND TO HAVE DENSE BONES THAT AIDED IN DIVING FOR HUNTING AQUATIC PREY. IT WAS NAMED AFTER THE MASSIVE CLAW ON ITS HAND THAT IT WOULD'VE USED TO SWIPE FISH FROM LAKES

SPECIES PROFILE: BRACHIOSAURUS ALTITHORAX (ARM LIZARD)



HEIGHT: 12.2-12.6M

LENGTH: 20.9-21.8M

ERA: LATE JURASSIC

DIET: HERBIVORE

DANGER LEVEL: LOW

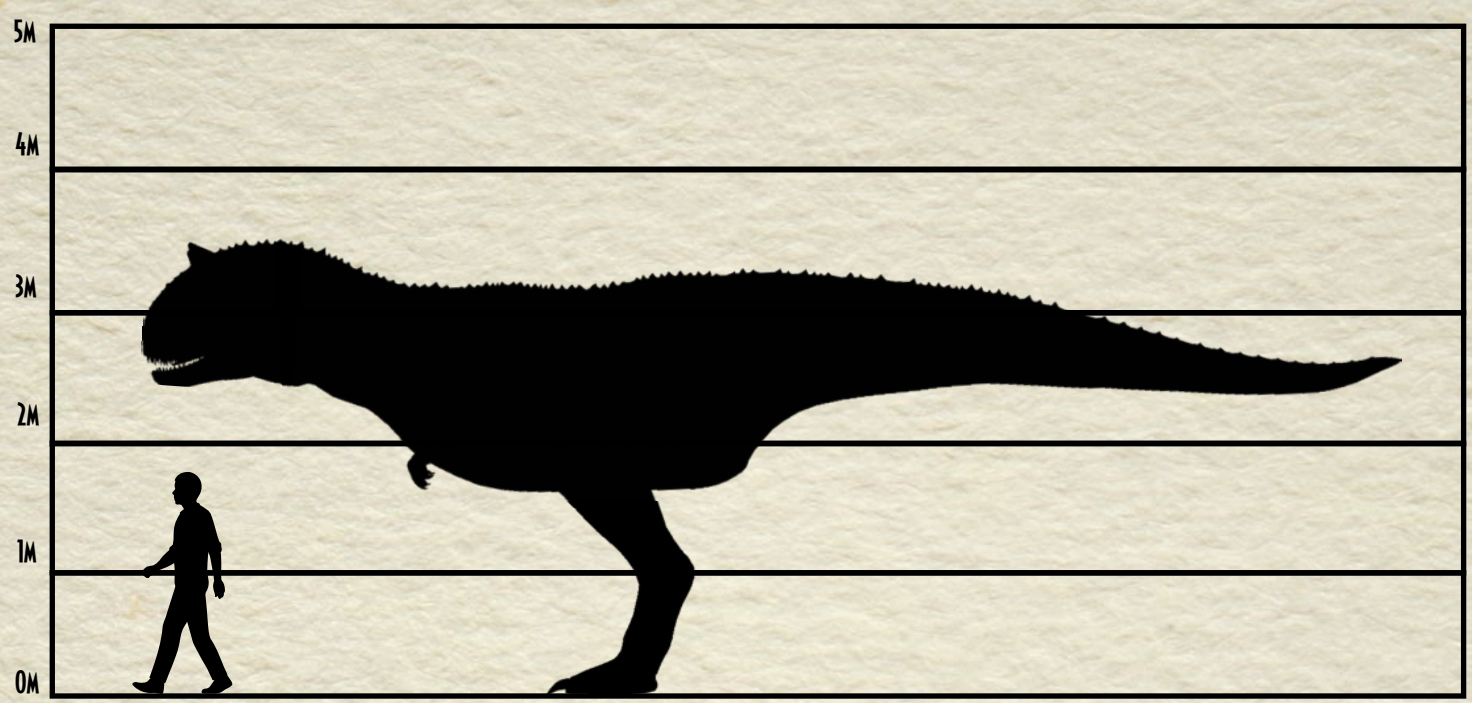
DIG SITES: CLEVELAND LLOYD DINOSAUR QUARRY, MORRISON FORMATION

FOUND IN: NORTH AMERICA

DINO FACT!

TO PUMP BLOOD UP ITS NECK, BRACHIOSAURUS WOULD HAVE HAD TWICE THE BLOOD PRESSURE OF A GIRAFFE , THE S CURVE OF ITS NECK LIKELY REDUCED THIS HEIGHT BY 2M, REDUCING THE STRAIN ON ITS CARDIOVASCULAR SYSTEM

SPECIES PROFILE: CARNOTAURUS SASTREI (MEAT EATING BULL)



HEIGHT: 2.9-4.2M

LENGTH: 9.8-10.4M

ERA: LATE CRETACEOUS

DIET: CARNIVORE

DANGER LEVEL: HIGH

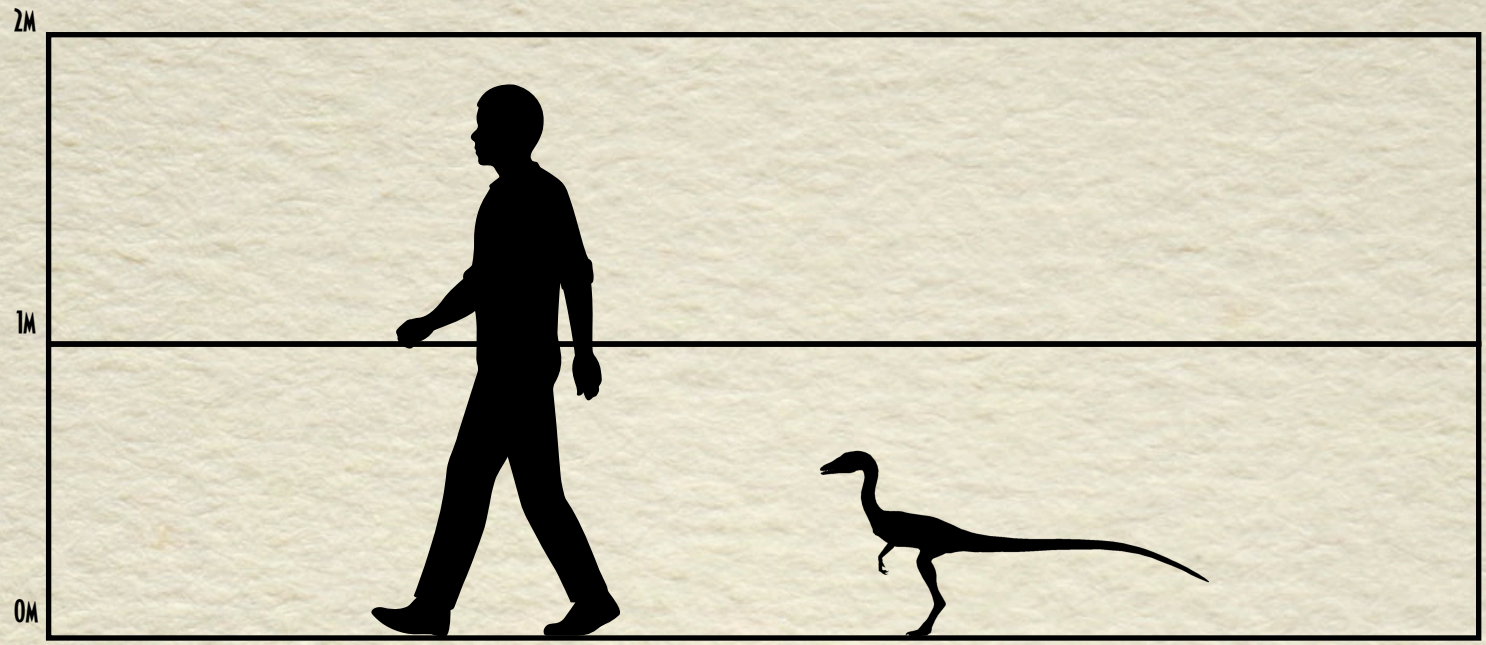
DIG SITES: LA COLONIA FORMATION

FOUND IN: SOUTH AMERICA

DINO FACT!

CARNOTAURUS WAS FOUND WITH EXTENSIVE SKIN IMPRESSIONS AND IS LIKELY TO HAVE HAD AN ACUTE SENSE OF SMELL. ITS HORNS WERE SUGGESTED TO BE USED AS SHOCK ABSORBERS WHEN FIGHTING WITH OTHER INDIVIDUALS

SPECIES PROFILE: COMPSOGNATHUS LONGIPES (ELEGANT JAW)



HEIGHT: 0.38-0.6M

LENGTH: 0.9-1.5M

ERA: LATE JURASSIC

DIET: CARNIVORE

DINO FACT!

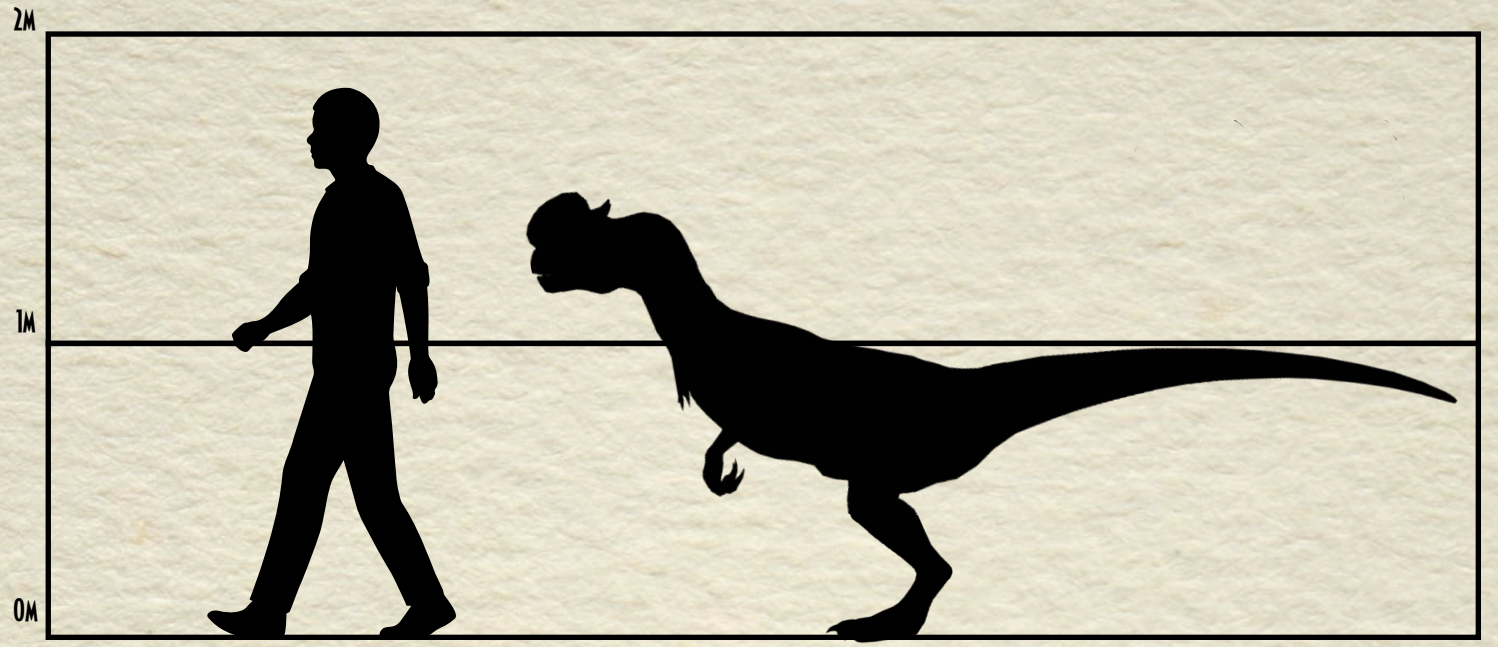
IT HAD AROUND 21 SMALL AND POINTED TEETH FOR HUNTING SMALL VERTEBRATES AND OTHER SMALL INSECTS. ITS SALIVA IS ALSO THEORISED TO BE PARALYSING

DANGER LEVEL: MEDIUM(SINGLE), HIGH(IN NUMBERS)

DIG SITES: CANJUERS, SOLNHOFEN FORMATION

FOUND IN: EUROPE

SPECIES PROFILE: DILOPHOSAURUS WETHERILLI (2 CRESTED LIZARD)



HEIGHT: 1.4-1.7M

LENGTH: 2.7-3.1M

ERA: EARLY JURASSIC

DIET: CARNIVORE

DANGER LEVEL: HIGH

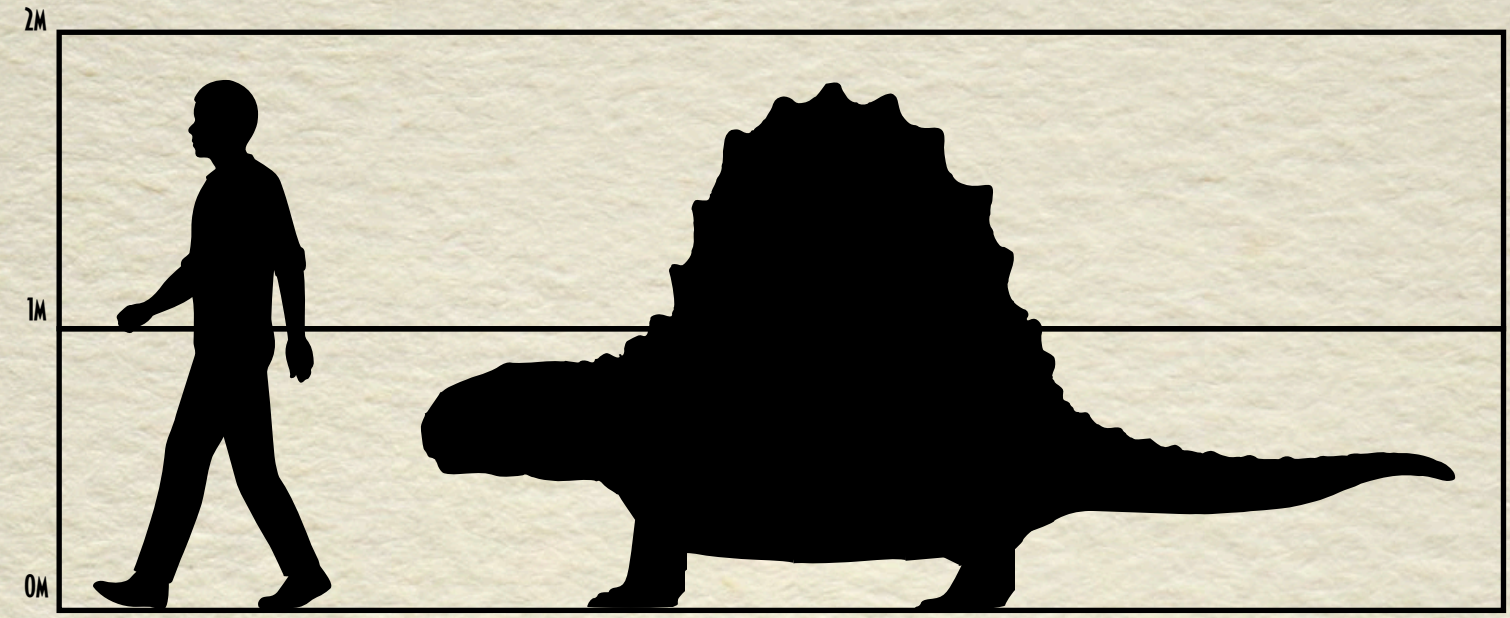
DIG SITES: LOWER LUFENG SERIES, KAYENTA FORMATION

FOUND IN: NORTH AMERICA, ASIA

DINO FACT!

DILOPHOSAURUS HAS A BEAUTIFUL FRILL AND DEADLY VENOM SACS THAT SHOOT BLINDING AND PARALYSING VENOM UP TO 15 FEET

SPECIES PROFILE: DIMETRODON GRANDIS (2 MEASURES OF TEETH)



HEIGHT: 1.5-1.8M

LENGTH: 3.1-4.5M

ERA: EARLY PERMIAN

DIET: CARNIVORE

DANGER LEVEL: HIGH

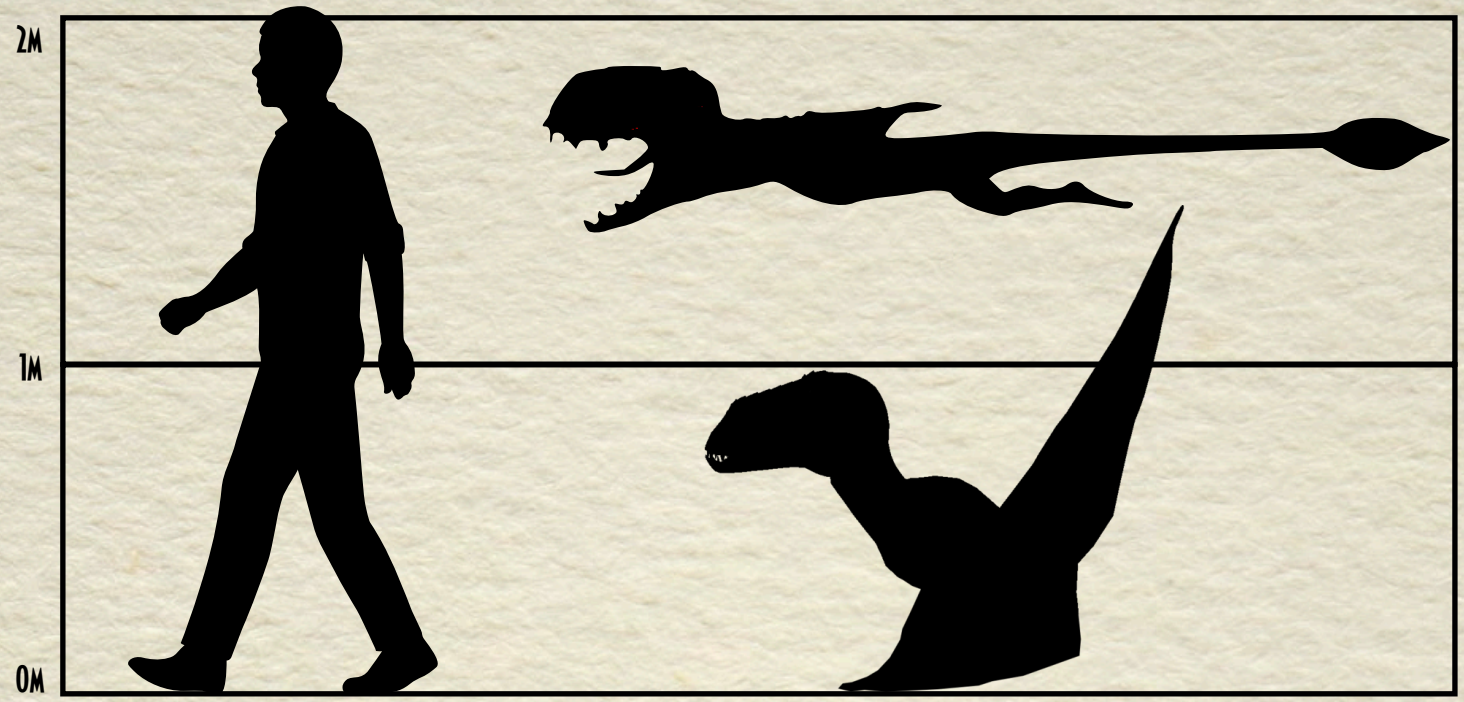
DIG SITES: THURINGIAN FOREST, SAN ANGELO FORMATION

FOUND IN: EUROPE, NORTH AMERICA

DINO FACT!

DIMETRODONS SAIL WAS NOT USED FOR THERMOREGULATION. INSTEAD, IT WAS LIKELY USED FOR COURTSHIP DISPLAYS. IT HAD CONICAL TEETH FOR GRIPPING SLIPPERY FISH AND AMPHIBIANS

SPECIES PROFILE: DIMORPHODON MACRONYX (2 FORM TOOTH)



HEIGHT: 0.7-1.0M

LENGTH: 1.5-2.0M

WINGSPAN: 1.2-1.5M

ERA: EARLY JURASSIC

DIET: CARNIVORE

DANGER LEVEL: MEDIUM

DIG SITES: LYME REGIS, AUST CLIFF, LA BOCA FORMATIONS

FOUND IN: EUROPE

DINO FACT!

DIMORPHODON, A PRIMITIVE PTEROSAUR, WAS LIKELY QUITE CLUMSY. THE CONNECTED MEMBRANE BETWEEN ITS LEGS MADE IT DIFFICULT TO WALK ON FLAT GROUND, BUT WOULD'VE BEEN EFFECTIVE FOR CLIMBING TREES

SPECIES PROFILE: DREADNOUGHTUS SCHRANI (FEARLESS)

HEIGHT: 11.3-11.7M

LENGTH: 35.4-35.7M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: LOW

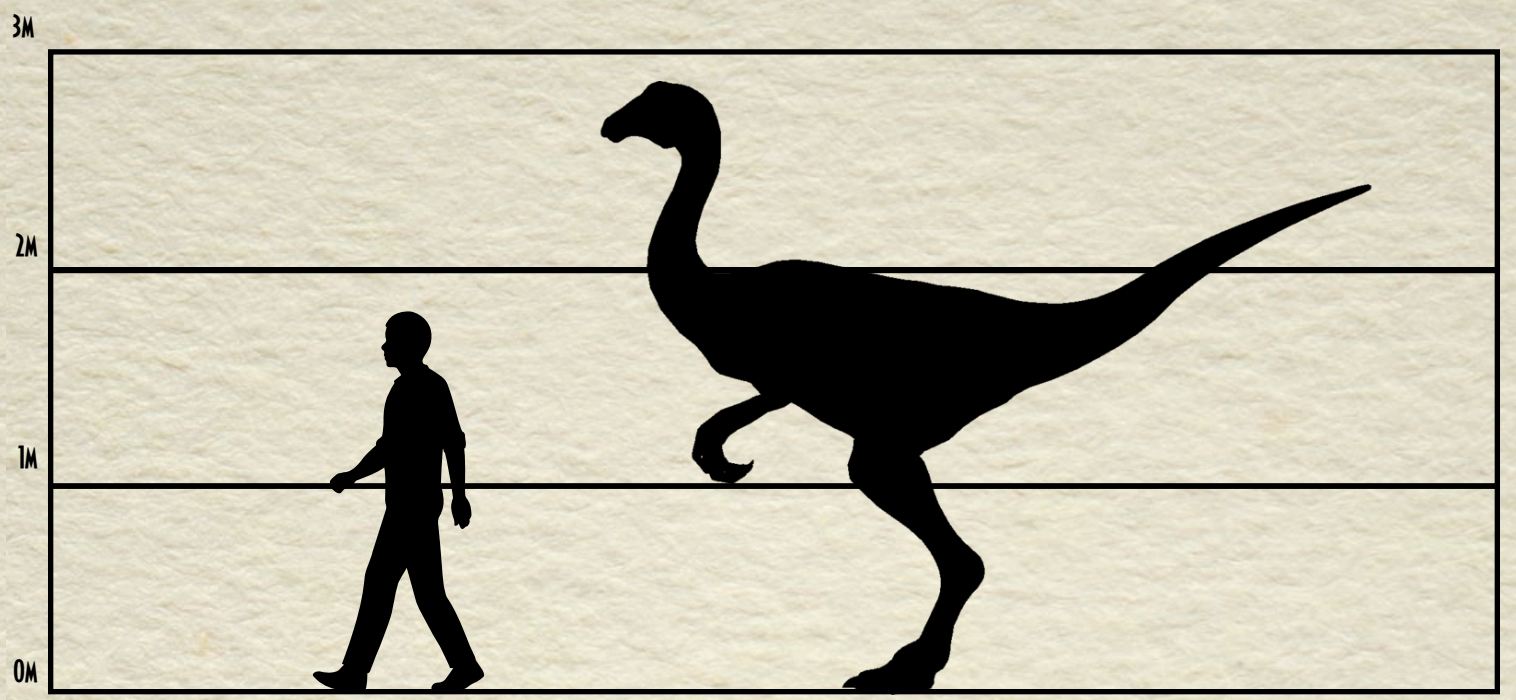
DIG SITES: CERROR FOTALEZA FORMATION

FOUND IN: SOUTH AMERICA

DINO FACT!

DREADNOUGHTUS WAS NOT ONLY ONE OF THE LARGEST AND HEAVIEST DINOSAURS, BUT WAS ALSO ONE OF THE MOST COMPLETE LARGE SAUROPODS. ITS FORELIMBS WERE NOT MUCH LONGER THAN ITS HIND LEGS, GIVING IT A MORE HORIZONTAL POSTURE

SPECIES PROFILE: GALLIMIMUS BULLATUS (CHICKEN MIMIC)

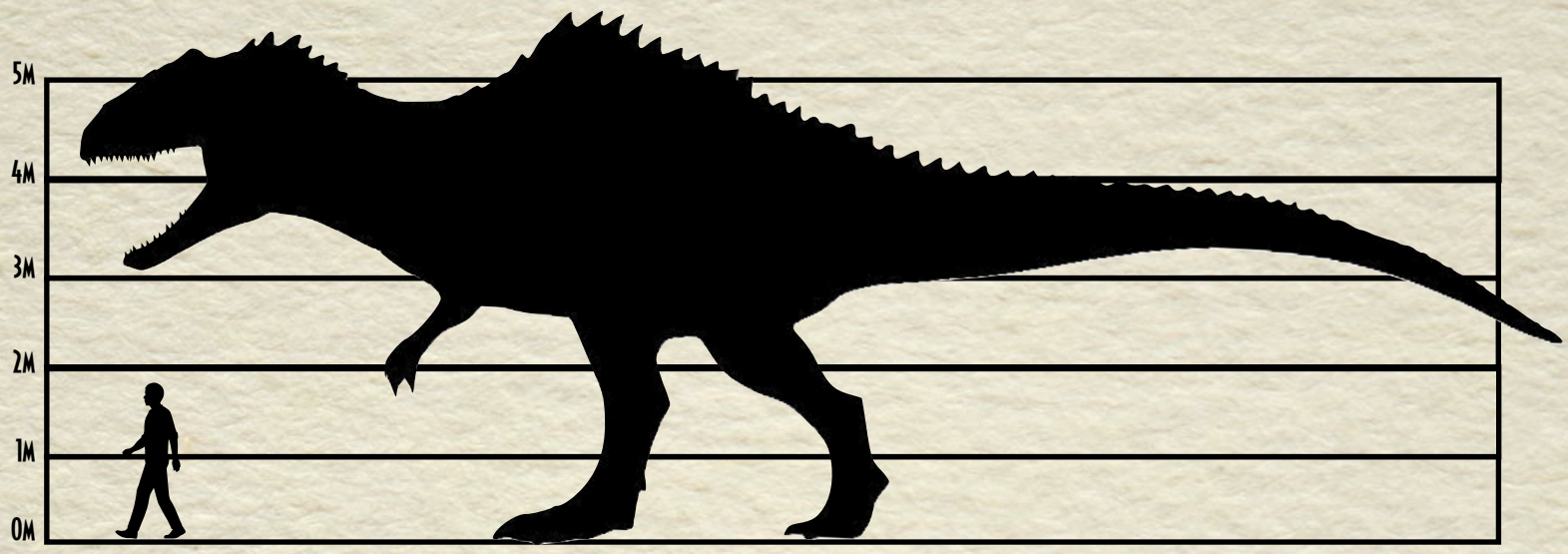


HEIGHT: 2.8-3.0M
LENGTH: 4.5-4.8M
ERA: LATE CRETACEOUS
DIET: HERBIVORE
DANGER LEVEL: LOW
DIG SITES: NEMEGT FORMATION
FOUND IN: ASIA

DINO FACT!

GALLIMIMUS HAD A KERATINOUS TOOTHLESS BEAK. ITS SIDEWAYS FACING EYES INCREASED ITS FIELD OF VIEW, HELPING IT TO SPOT PREDATORS

SPECIES PROFILE: GIGANOTOSAURUS CAROLLINI (GIANT LIZARD)



HEIGHT: 4.8-5.5M

LENGTH: 12.8-15.5M

ERA: LATE CRETACEOUS

DIET: CARNIVORE

DANGER LEVEL: VERY HIGH

DIG SITES: CANDELEROS FORMATION

FOUND IN: SOUTH AMERICA, 'NORTH AMERICA'

DINO FACT!

GIGANOTOSAURUS IS ONE OF THE LARGEST THEROPODS. IT WAS CAPABLE OF RUNNING UP TO 14M/S TO CATCH PREY USING ITS POWERFUL JAWS. IT IS NOTED TO HAVE A CHIN THAT WAS SUSPECTED TO HELP RESIST STRESS WHEN BITING

SPECIES PROFILE: IGUANODON BERNISSARTENSIS (IGUANA TOOTH)

HEIGHT: 3.5-4.2M

LENGTH: 9.8-11.9M

ERA: EARLY-LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: MEDIUM

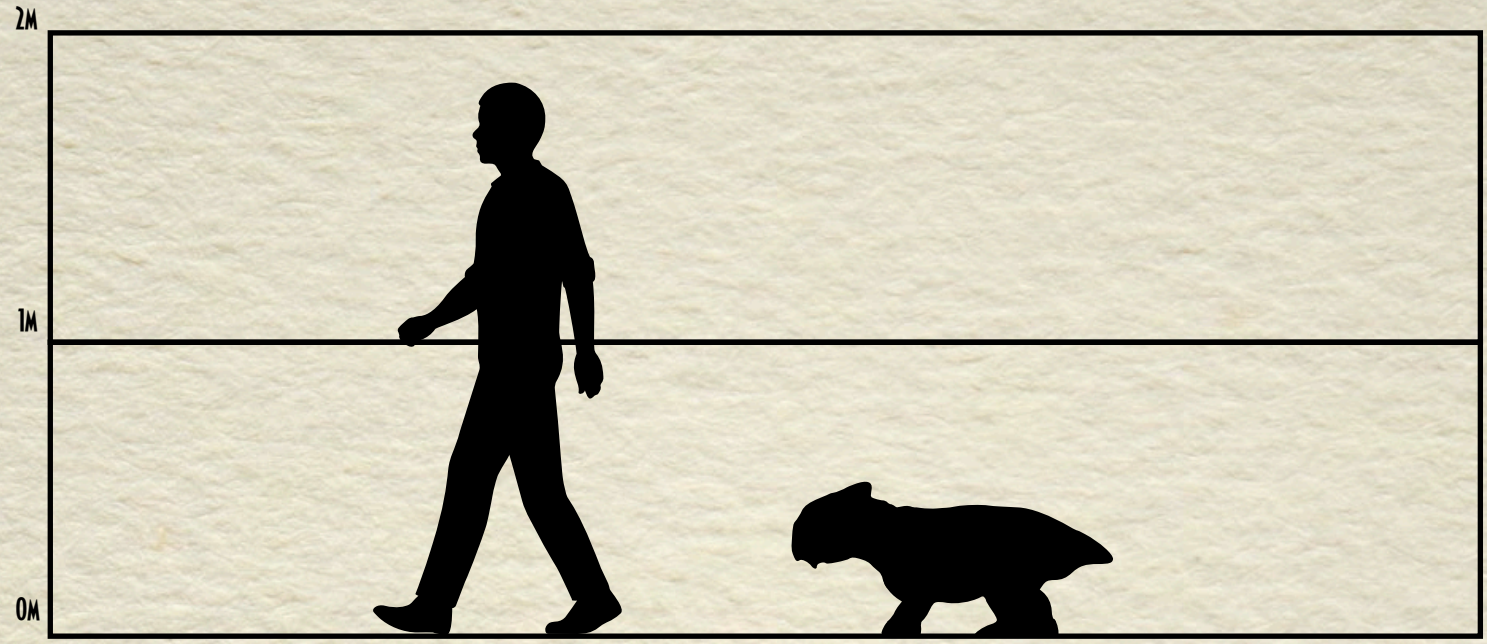
DIG SITES: HYTHE FORMATION, IGUANODON MINES

FOUND IN: EUROPE

DINO FACT!

IGUANODON WAS INITIALLY RECONSTRUCTED WITH ITS THUMB SPIKE ON ITS SNOUT. WE NOW KNOW THAT THIS SPIKE, ALONG WITH IGUANADON'S ABILITY TO RUN AS A BIPED, WOULD'VE BEEN INVALUABLE TOOLS AGAINST PREDATORS

SPECIES PROFILE: LYSTROSAURUS MACCAIGI (SHOVEL LIZARD)



HEIGHT: 0.35-0.55M

LENGTH: 0.6-0.9M

ERA: EARLY TRIASSIC

DIET: CARNIVORE

DANGER LEVEL: LOW

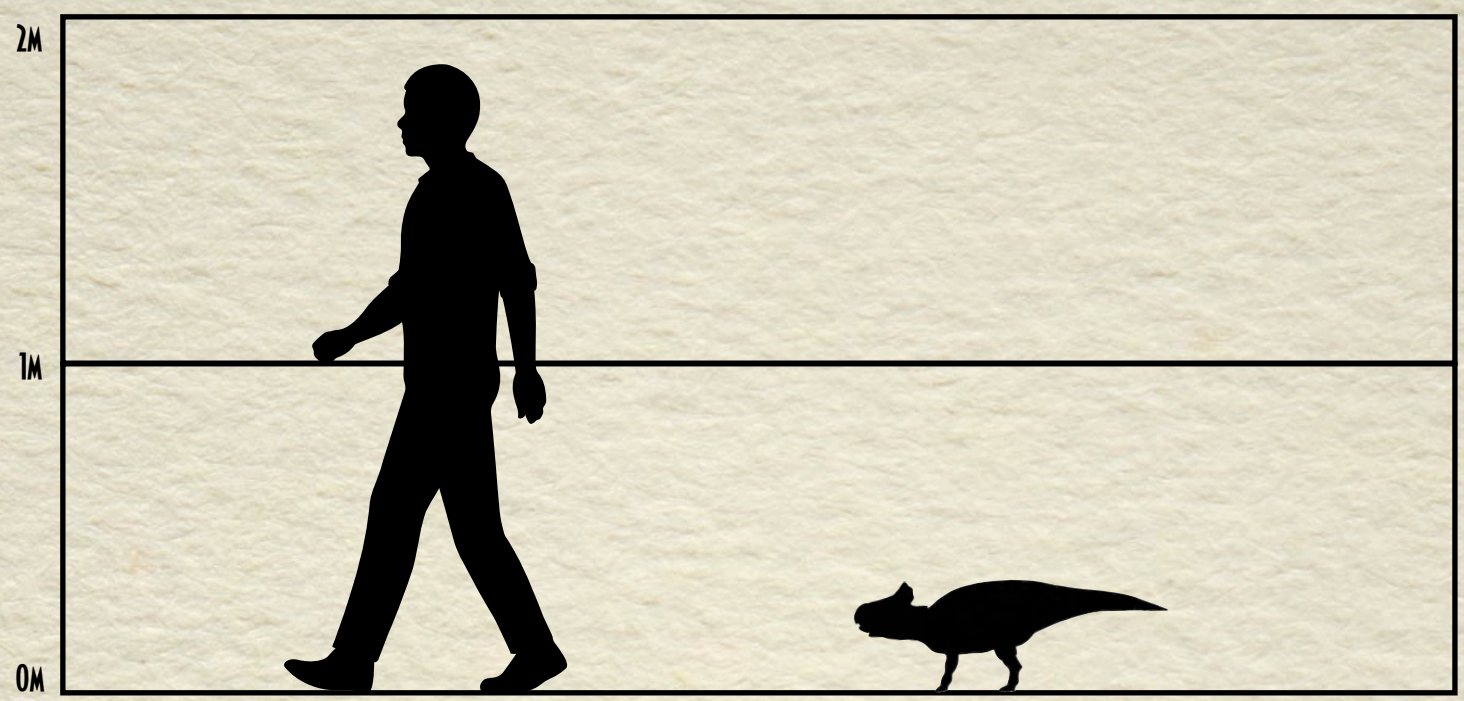
DIG SITES: BALFOUR, KATBERG FORMATION

FOUND IN: ASIA, AFRICA, ANTARCTICA

DINO FACT!

LYSTROSAURUS WAS A HIGHLY SUCCESSFUL SPECIES THAT USED ITS TUSKS FOR BURROWING OR DIGGING UP ROOTS AND ITS BEAK FOR BITING OFF VEGETATION

SPECIES PROFILE: MICROCERATUS GOBIENSIS (SMALL HORN)



HEIGHT: 0.3-0.4M

LENGTH: 0.7-0.8M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: LOW

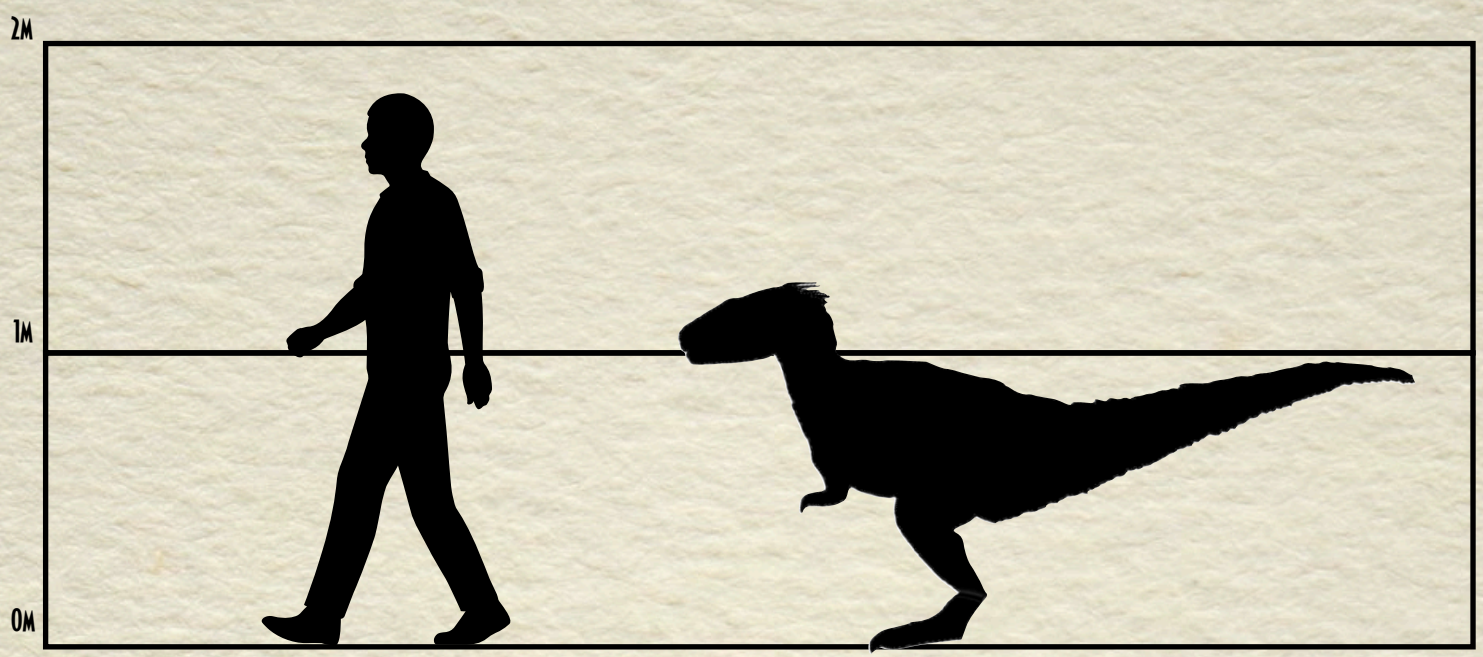
DIG SITES: MONGOLIA, KANSU FORMATIONS

FOUND IN: ASIA

DINO FACT!

MICROCERATUS WAS ONE OF THE EARLIEST CERATOPSIANS AND WOULD'VE EATEN FERNS AND CYCADS, SINCE FLOWERING PLANTS HAD NOT COME INTO DOMINANCE

SPECIES PROFILE: MOROS INTREPIDUS (HARBINGER OF DOOM)



HEIGHT: 0.9-1.2M

LENGTH: 2.1-3.2M

ERA: LATE CRETACEOUS

DIET: CARNIVORE

DANGER LEVEL: LOW

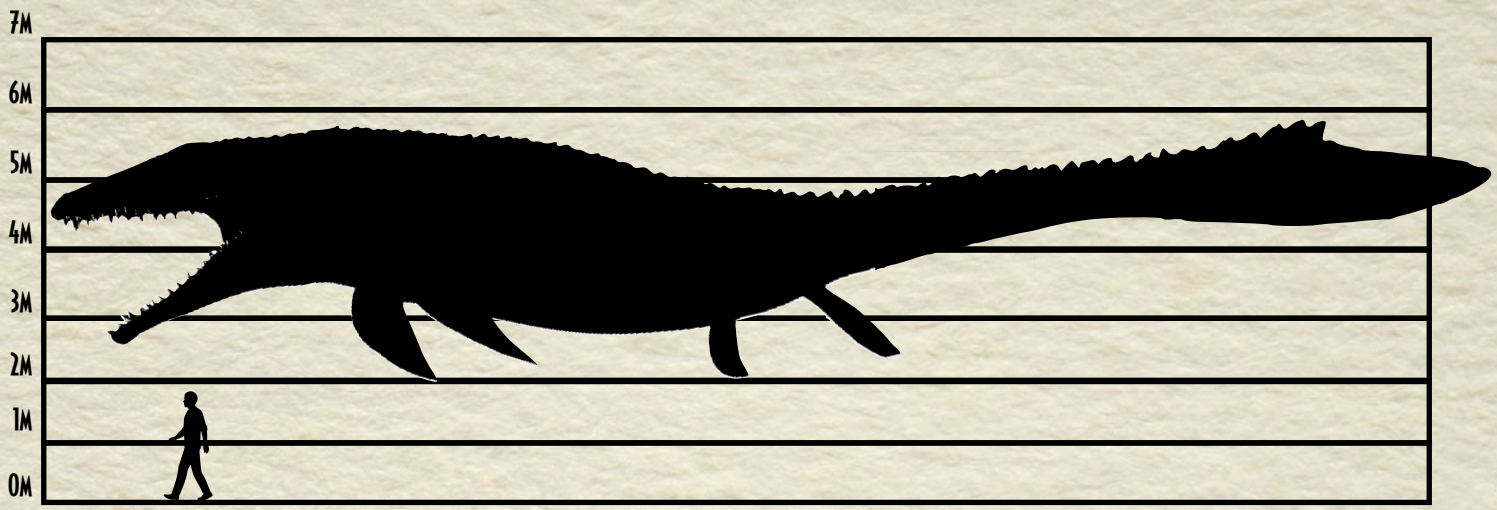
DIG SITES: EMERY COUNTY, CEDAR MOUNTAIN FORMATION

FOUND IN: NORTH AMERICA ETC

DINO FACT!

MOROS IS AN EARLY TYRANNOSAUR THAT GREW UP TO AN ESTIMATED 78KG. IT IS SPECULATED THAT IT CAME FROM BASAL ASIAN TYRANNOSAURS, DUE TO THE EXISTENCE OF AN ASIA-NORTH AMERICAN LANDBRIDGE

SPECIES PROFILE: MOSASAURUS HOFFMANNII (RIVER MEUSE LIZARD)



HEIGHT: 3.8-4.2M

LENGTH: 21.9-23.1M

ERA: LATE CRETACEOUS

DIET: PISCIVORE/CARNIVORE

DANGER LEVEL: VERY HIGH

DIG SITES: MAASTRICHT, DAVUTLAR, JAGUEL, OWL CREEK FORMATIONS

FOUND IN: OPEN WATERS

DINO FACT!

MOSASAURUS IS THEORISED TO HAVE GIVEN BIRTH TO LIVE YOUNG AND HAD MATERNAL INSTINCTS. IT HAD A JAW THAT COULD UNHINGE TO SWALLOW LARGE SCHOOLS OF FISH WHOLE

SPECIES PROFILE: NASUTOCERATOPS TITUSI (LARGE NOSED HORNED FACE)

HEIGHT: 2.5-3.4M

LENGTH: 4.5-6.0M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: MEDIUM

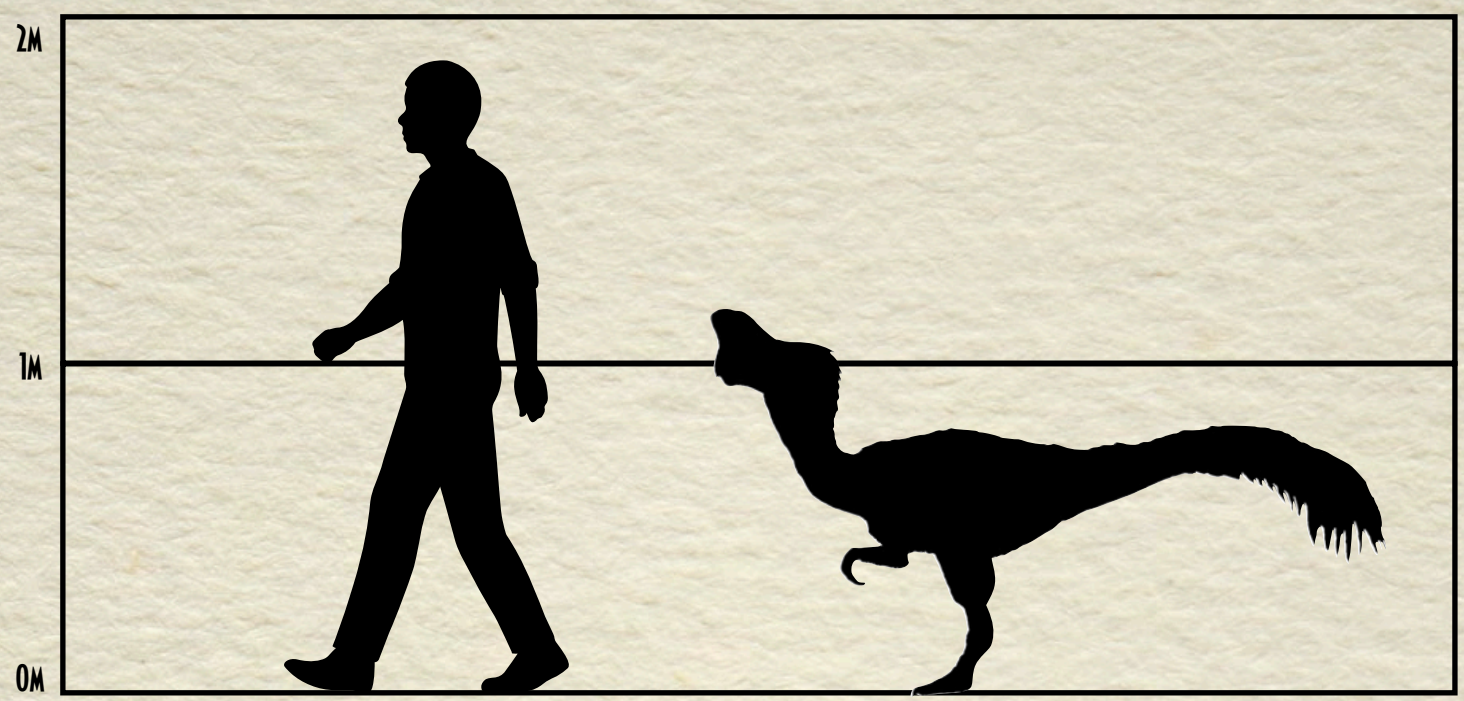
DIG SITES: KAIPAROWITS FORMATIONS

FOUND IN: NORTH AMERICA

DINO FACT!

NASUTOCERATOPS HAD SOME OF THE LONGEST HORNS OF ANY CERATOPSIAN, WITH A HIGHLY DEVELOPED SNOUT

SPECIES PROFILE: OVIRAPTOR PHILOCERATOPS (EGG THIEF)



HEIGHT: 0.9-1.1M

LENGTH: 1.8-2.1M

ERA: LATE CRETACEOUS

DIET: CARNIVORE

DANGER LEVEL: MEDIUM

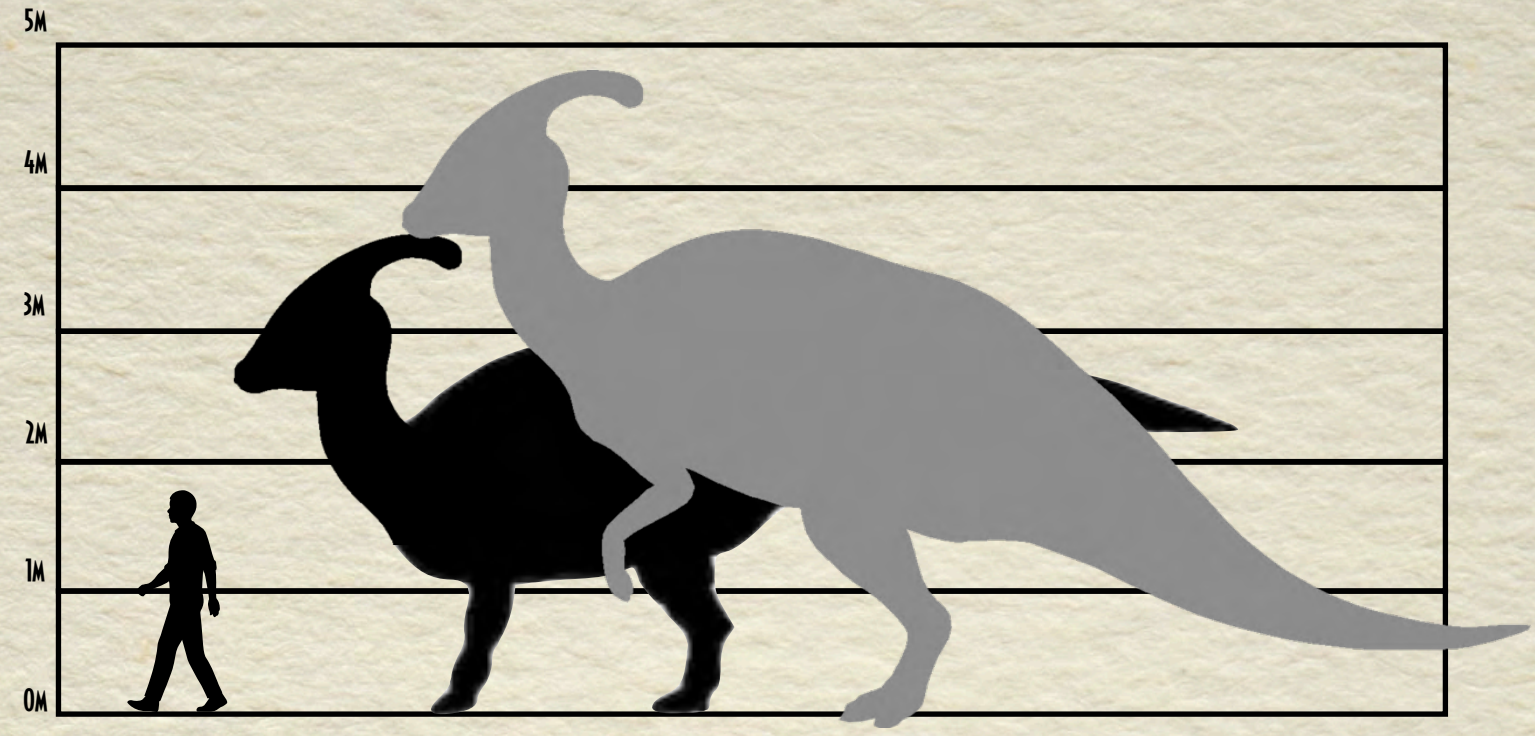
DIG SITES: DJADOKHTA FORMATIONS

FOUND IN: ASIA

DINO FACT!

OVIRAPTOR WAS FOUND NEXT TO A CLUTCH OF EGGS, WHICH IT WAS SUSPECTED TO HAVE PREYED ON. WE NOW KNOW THAT THESE EGGS WERE ITS OWN, PROVIDING EVIDENCE FOR PARENTAL BEHAVIOUR AMONG DINOSAURS

SPECIES PROFILE: PARASAUROLOPHUS WALKERI (NEAR CRESTED LIZARD)



HEIGHT: 3.2-3.9(QUAD), 4.6-5.1(UPRIGHT)

LENGTH: 7.5-9.6M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: MEDIUM

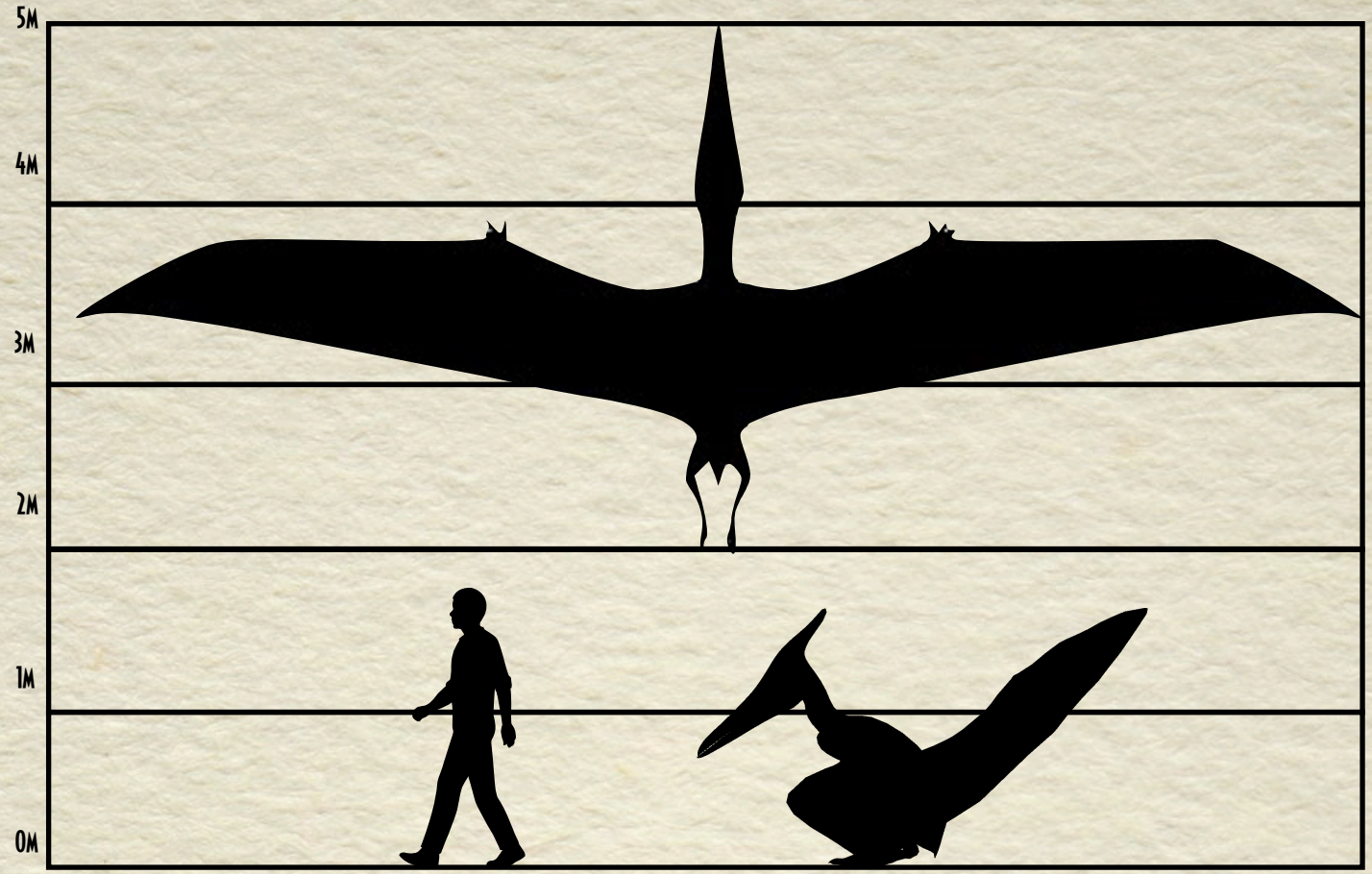
DIG SITES: DINOSAUR PARK, HELL CREEK, NEMEGT FORMATIONS

FOUND IN: NORTH AMERICA

DINO FACT!

PARASUROLOPHUS' CREST WAS FULL OF AIR TUBES THAT WOULD'VE AIDED IN CREATING VOCALISATIONS FOR COMMUNICATION AND INTIMIDATION

SPECIES PROFILE: PTERANODON LONGICEPS (TOOTHLESS WING)



HEIGHT: 1.3-1.6M

LENGTH: 2.5-3.1M

WINGSPAN: 5.7-7.5M

ERA: LATE CRETACEOUS

DIET: PISCIVORE/CARNIVORE

DANGER LEVEL: MEDIUM

DIG SITES: NIOBARA CHALK, PIERRE SHALE FORMATIONS

FOUND IN: NORTH AMERICA

DINO FACT!

PTERANODON WAS ONE OF THE FIRST PTEROSAURS TO EVOLVE A TOOTHLESS BEAK. ITS CREST WAS LIKELY USED FOR DISPLAY AND VARIED BASED ON AGE, SEX AND SPECIES

SPECIES PROFILE: PYRORAPTOR OLYMPIUS (FIRE THIEF)

HEIGHT: 1.4-1.8M

LENGTH: 2.4-4.3M

ERA: LATE CRETACEOUS

DIET: CARNIVORE

DANGER LEVEL: HIGH

DIG SITES: MONTE OLYMPE, VITORIA FORMATION

FOUND IN: EUROPE

DINO FACT!

PYRORAPTOR'S NAME CAME FROM THE FACT THAT IT WAS DISCOVERED AFTER A FOREST FIRE AT THE BASE OF MONTE OLYMPE IN PROVENCE, FRANCE. IT IS CLASSIFIED AS AN UNENLAGIID, A GROUP OF SEMIAQUATIC DROMAEOSAURS, SUGGESTING THAT PYRORAPTOR COULD SWIM

SPECIES PROFILE: QUETZALCOATLUS NORTHROPI (QUETZALCOATL)

HEIGHT: 4.9-5.4M

LENGTH: 7.4-9.0M

WINGSPAN: 14.0-18.0M

ERA: LATE CRETACEOUS

DIET: PISCIVORE/CARNIVORE

DANGER LEVEL: VERY HIGH

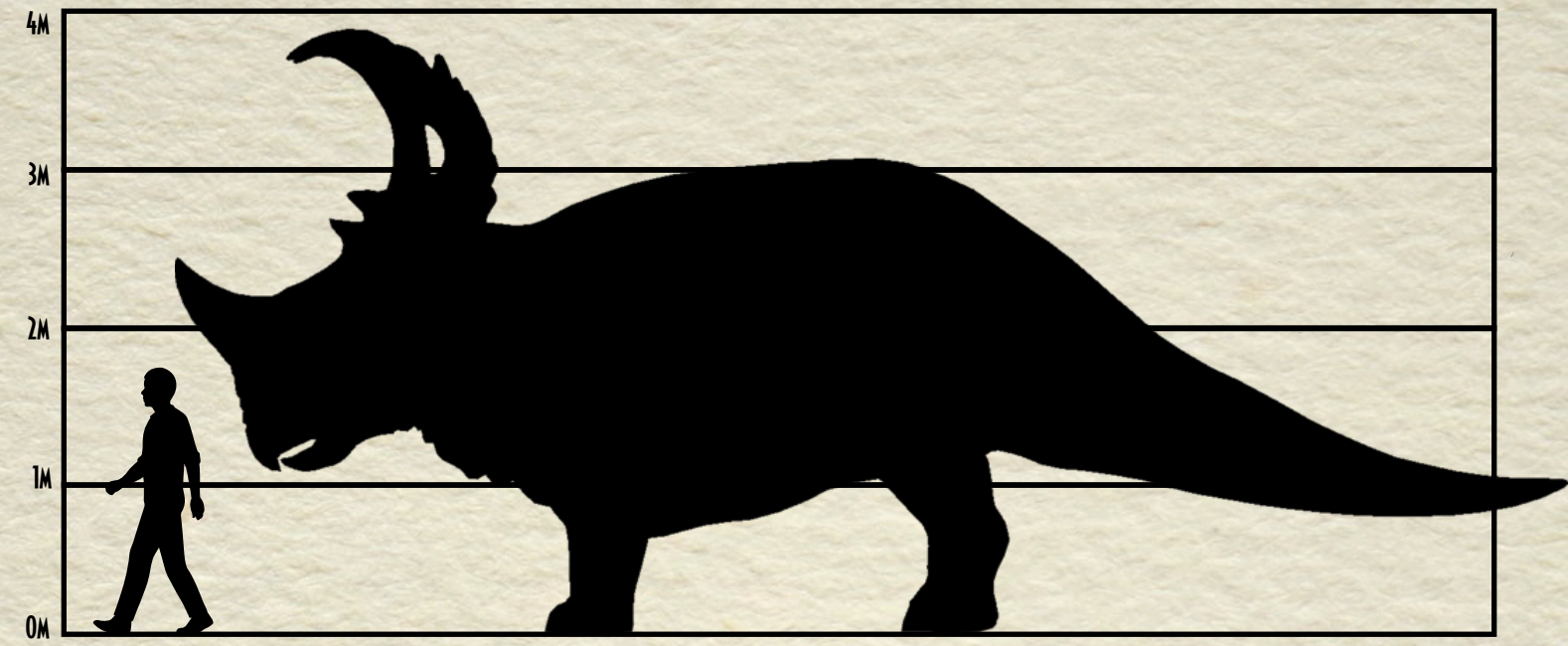
DIG SITES: JAVELINA, HELL CREEK FORMATIONS

FOUND IN: NORTH AMERICA

DINO FACT!

INITIALLY PROPOSED TO HAVE SCAVENGED CARCASSES OR SKIMMED LAKES, THIS AZDARCHID'S LONG NECK AND NON-CURVED BEAK SUGGESTED THAT IT WOULD HAVE HUNTED SMALL VERTEBRATES ON LAND

SPECIES PROFILE: SINOCERATOPS ZHUCHENGENSIS (CHINESE HORNED FACE)



HEIGHT: 3.4-4.2M

LENGTH: 7.9-9.0M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: MEDIUM

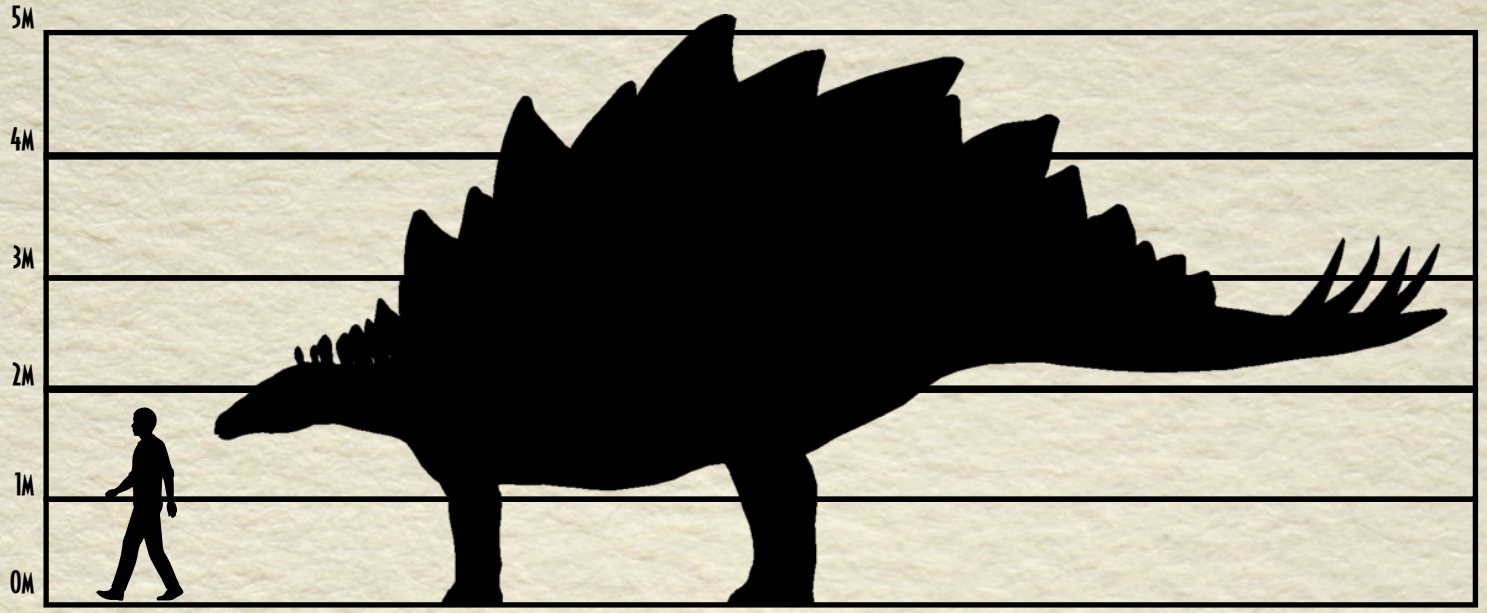
DIG SITES: XINGEZHUANG FORMATIONS

FOUND IN: ASIA

DINO FACT!

SINOCERATOPS HAD A FRILL ADORNED WITH OVER 14 CURVED HORNS. IT WOULD'VE LIVED ALONGSIDE TARBOSAURUS AND ZHUCHENGTYRANNUS

SPECIES PROFILE: STEGOSAURUS STENOPS (PLATE LIZARD)



HEIGHT: 4.6-5.1M

LENGTH: 9.3-10.3M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: MEDIUM

DIG SITES: CLEVELAND LLOYD, LOURINHA, MORRISON FORMATIONS

FOUND IN: ASIA, EUROPE, NORTH AMERICA, AFRICA

DINO FACT!

STEGOSAURUS HAD LONGER HIND LEGS THAN FRONT LEGS, WHICH POSITIONED ITS THAGOMISER HIGHER UP TO DEFEND ITSELF WHILE LOWERING ITS HEAD TO THE GROUND TO FEED. ITS PLATES WERE USED FOR BOTH DISPLAY AND THERMOREGULATION

SPECIES PROFILE: STYGIMOLOCH SPINIFER (DEMON OF THE RIVER STYX)

HEIGHT: 1.4-1.8M

LENGTH: 3.4-3.8M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: MEDIUM

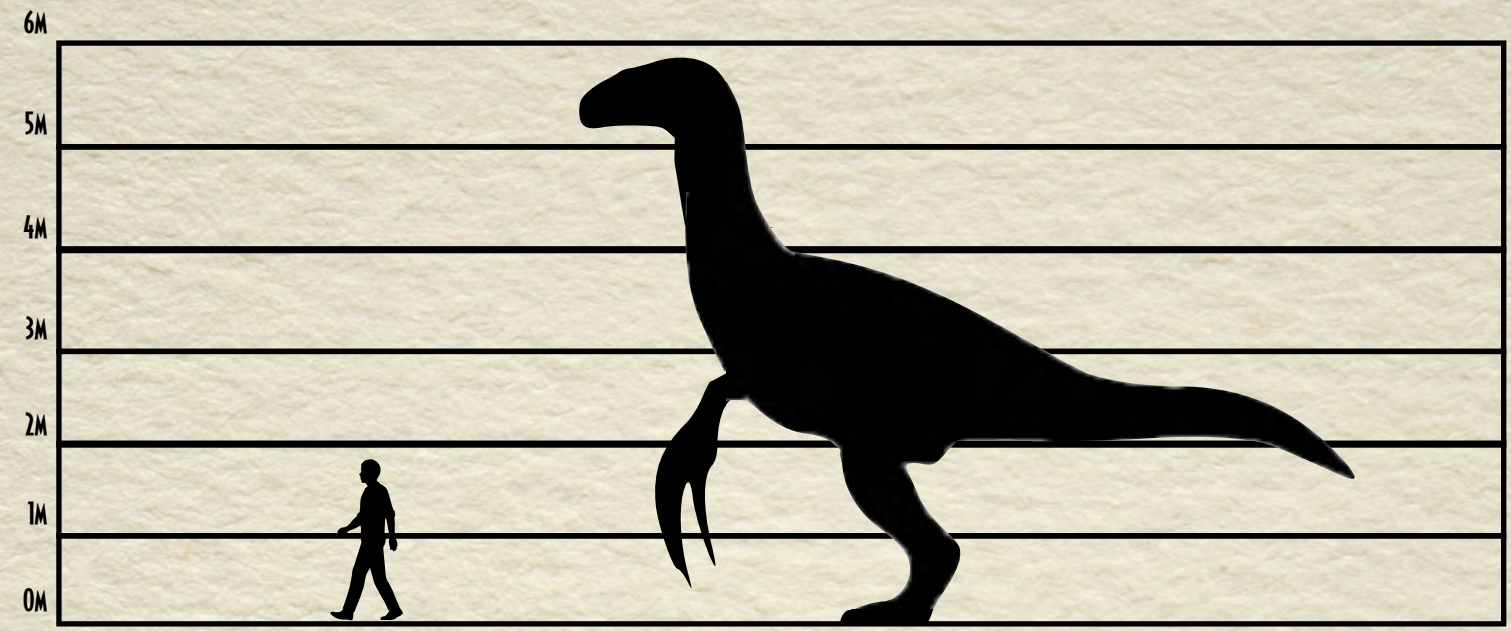
DIG SITES: MONTE OLYMPE, VITORIA FORMATION

FOUND IN: NORTH AMERICA

DINO FACT!

STIGYMOLOCH WAS THEORISED TO HAVE BEEN A JUVENILE GROWTH STAGE OF PACHYCEPHALOSAURUS. ITS CROWN OF HORNS IS THE REASON FOR ITS NAME. THESE WERE LIKELY USED FOR DISPLAY AND COMBAT

SPECIES PROFILE: THERIZINOSAURUS CHELONIFORMES (SCYTHE LIZARD)



HEIGHT: 4.6-5.9M

LENGTH: 9.8-10M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: MEDIUM

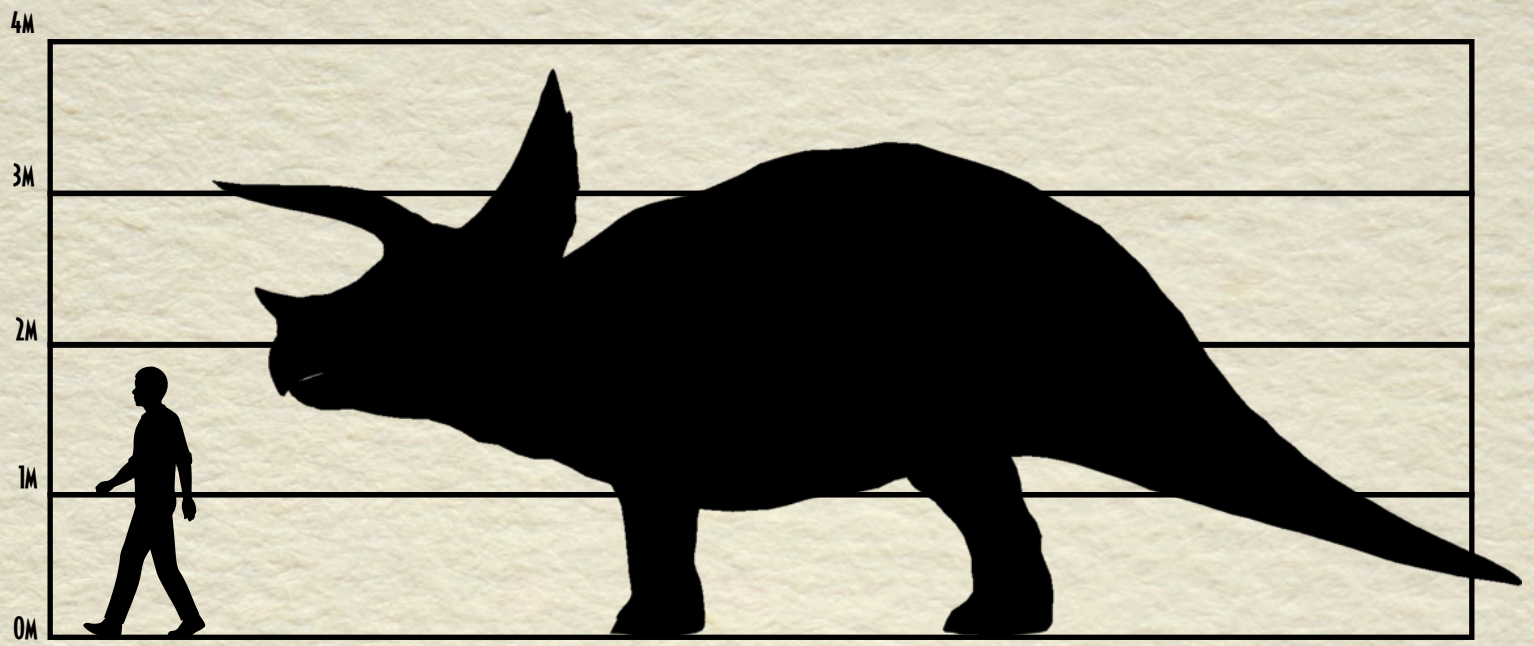
DIG SITES: NEMEGT FORMATION

FOUND IN: ASIA

DINO FACT!

THERIZINOSAURUS LIKELY USED ITS CLAWS FOR GRIPPING AND BRINGING BRANCHES CLOSER TO ITSELF, THOUGH IT COULD HAVE ALSO USED THEM TO ATTACK WHEN NECESSARY

SPECIES PROFILE: TRICERATOPS HORRIDUS (3 HORNED FACE)



HEIGHT: 3.6-4.2M

LENGTH: 8.9-10.0M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: MEDIUM

DIG SITES: HELL CREEK, LANCE FORMATIONS

FOUND IN: NORTH AMERICA

DINO FACT!

TRICERATOPS WAS ONE OF THE MOST COMMON HERBIVORES OF THE LATE CRETACEOUS, WITH PALAEONTOLOGISTS SOMETIMES FINDING UP TO 200 SKULLS AT ONE SITE. ITS HORNS WERE USED FOR DISPLAY, DEFENCE AND KNOCKING DOWN TALLER PLANTS TO THE GROUND WHERE IT COULD FEED

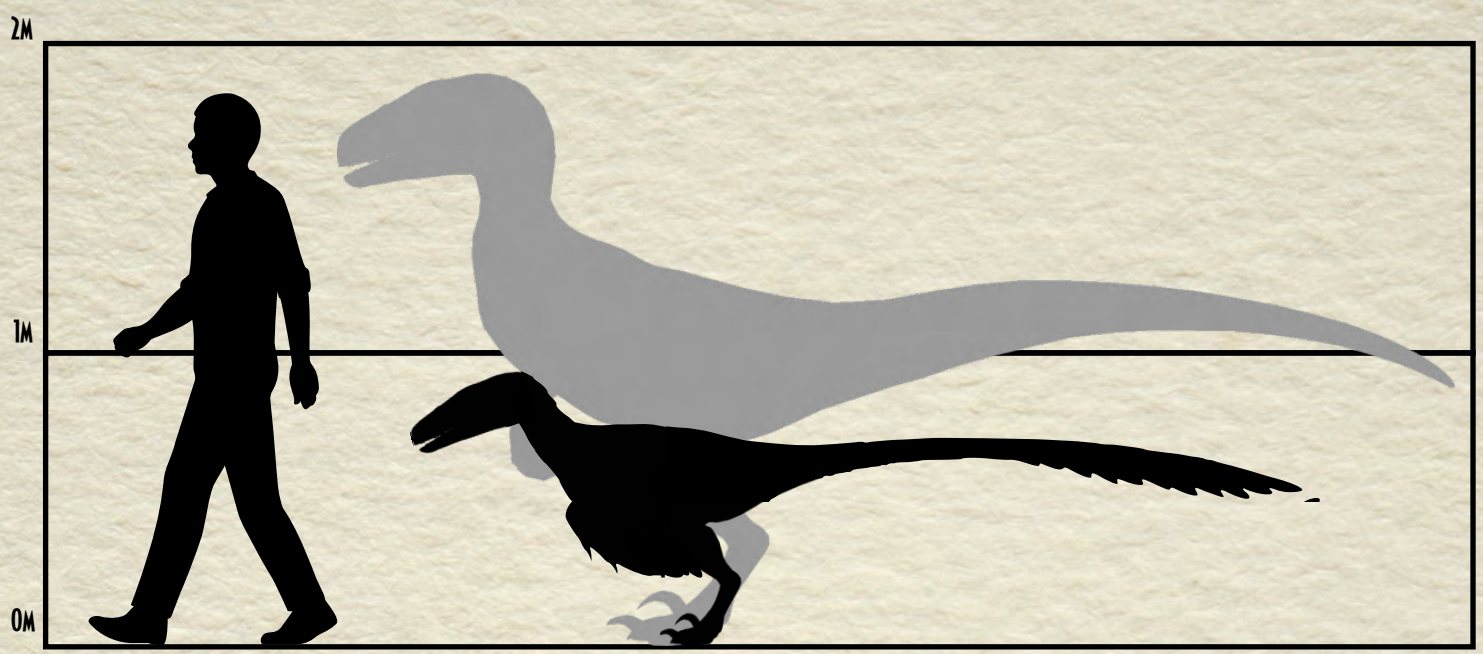
SPECIES PROFILE: TYRANNOSAURUS REX (TYRANT LIZARD KING)

HEIGHT: 4.3-5.9M
LENGTH: 11.3-13.5M
ERA: LATE CRETACEOUS
DIET: CARNIVORE
DANGER LEVEL: VERY HIGH
DIG SITES: HELL CREEK, LANCE FORMATION
FOUND IN: NORTH AMERICA

DINO FACT!

T REX'S SMALLER ARMS COULD'VE BEEN USED FOR SLASHING PREY BUT SOME SPECULATE THEY COULD HAVE COME AS A RESULT OF EVOLVING A LARGER HEAD (GIVING IT ONE OF THE STRONGEST TERRESTRIAL BITE FORCES, 34.5KN). SMALLER ARMS PREVENTED THEM FROM BEING BITTEN DURING GROUP FEEDINGS.

SPECIES PROFILE: VELOCIRAPTOR MONGOLIENSIS (SPEEDY THIEF)



HEIGHT: 1.5-1.8M

LENGTH: 3.6-4.0M

ERA: LATE CRETACEOUS

DIET: CARNIVORE

DANGER LEVEL: HIGH

DIG SITES: IREN DABASU, NEMEGT FORMATION

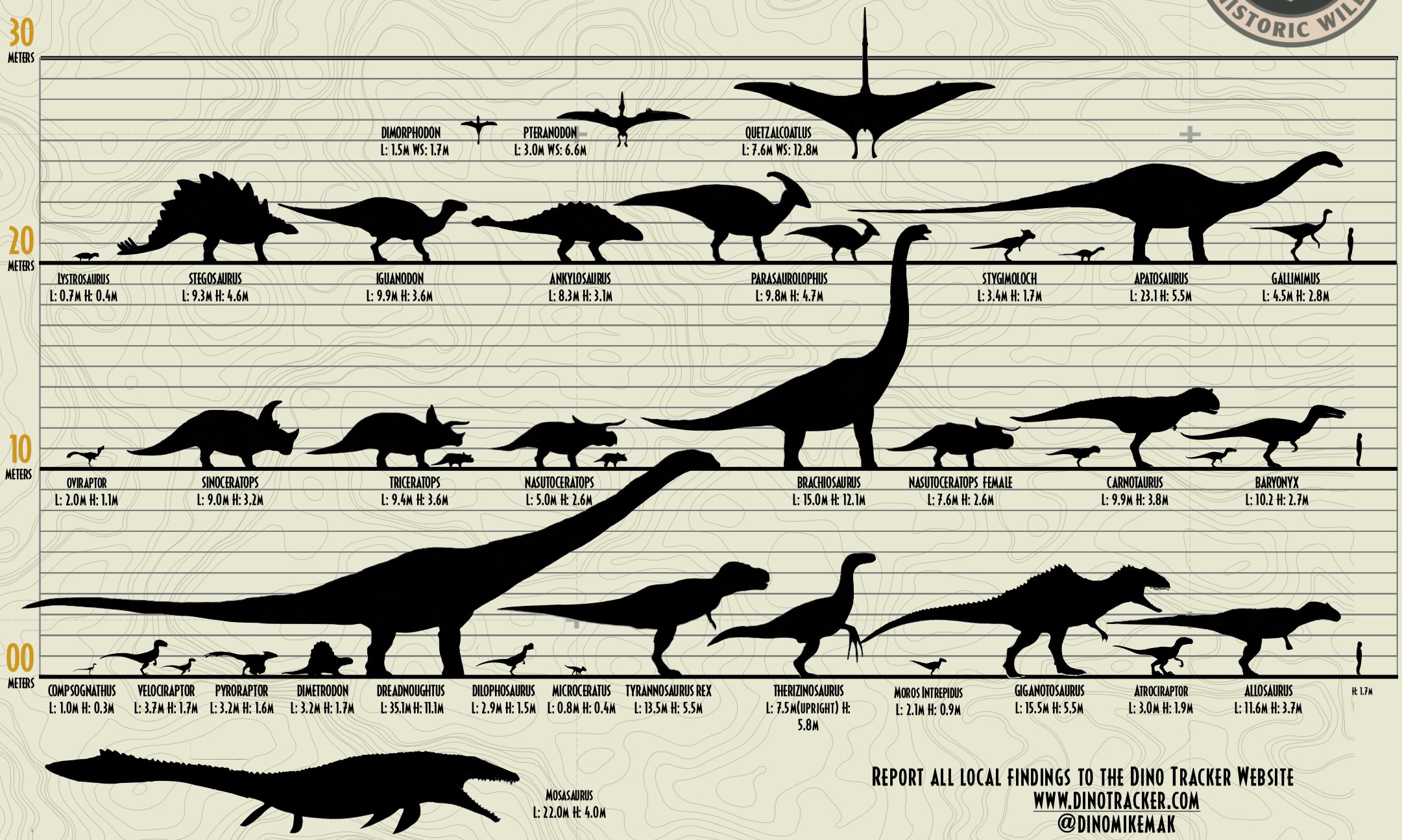
FOUND IN: ASIA, 'NORTH AMERICA'

DINO FACT!

VELOCIRAPTOR RAN UP TO 12M/S. ITS SICKLE CLAWS WERE USED TO TEAR OPEN OTHER DINOSAURS, LIKE THE PROTOCERATOPS THAT WAS FOUND ALONGSIDE THE FOSSILISED REMAINS OF ONE INDIVIDUAL

Know Your Dinosaurs!

Familiarise yourself with the dinosaurs in our world



Report all local findings to the Dino Tracker Website

www.dinotracker.com

@dinomikemak

Extension Module

"Genetic power has now been unleashed.
You can't put it back in the box..."

SPECIES PROFILE: ACROCANTHOSAURUS ATOKENSIS (HIGH SPINED LIZARD)

HEIGHT: 4.5-4.7M

LENGTH: 12.0-14.0M

ERA: EARLY CRETACEOUS

DIET: CARNIVORE

DANGER LEVEL: HIGH

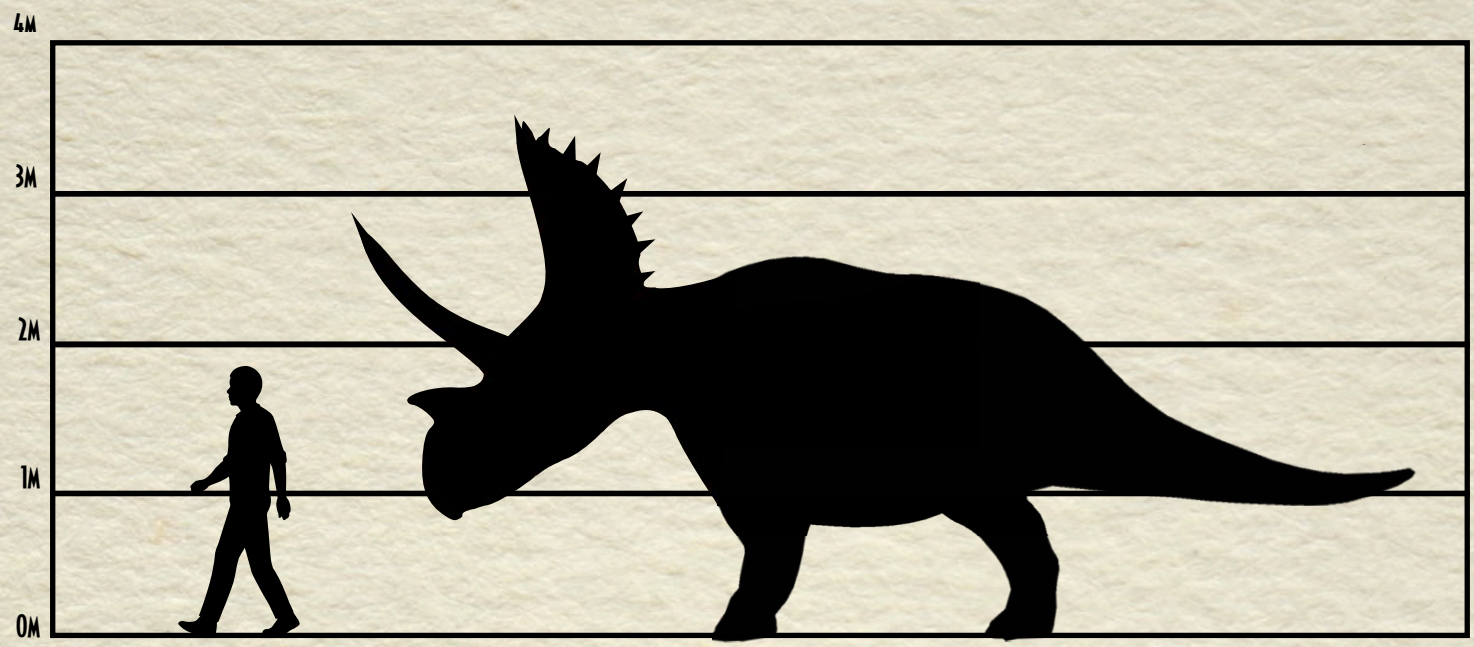
DIG SITES: ANTLERS, TWIN MOUNTAIN FORMATION

FOUND IN: NORTH AMERICA

DINO FACT!

ACROCANTHOSAURUS IS THE LARGEST MEMBER OF THE CARCHARADONTOSAURIDAE FAMILY. CT ENDOCASTS OF ITS SKULL REVEAL THAT IT HAD A HIGHLY DEVELOPED SENSE OF SMELL

SPECIES PROFILE: AGUJACERATOPS MARISALENSIS (AGUJAS' HORNED FACE)



HEIGHT: 2.9-3.3M

LENGTH: 5.3-6.0M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: MEDIUM

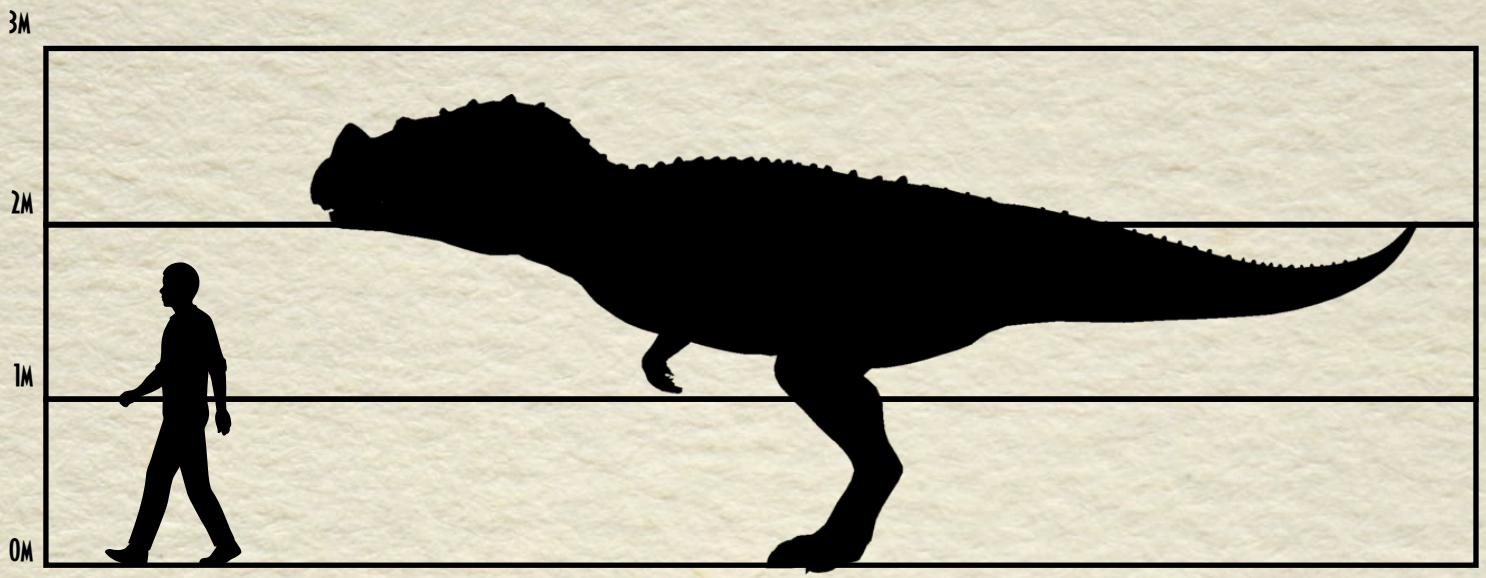
DIG SITES: BIG BEND NATIONAL PARK, AGUJA FORMATION

FOUND IN: NORTH AMERICA

DINO FACT!

AGUJACERATOPS IS CHARACTERISED BY ITS SHORT NOSE HORN, LONG BROW HORNS AND AN ELONGATED FRILL, WHICH HAS SMALL HORNLETS AND A NOTCH THAT GIVES IT A HEART SHAPE

SPECIES PROFILE: CERATOSAURUS NASICORNIS (SERRATED LIZARD)



HEIGHT: 2.0-2.4M

LENGTH: 6.2-6.7M

ERA: LATE JURASSIC

DIET: CARNIVORE

DANGER LEVEL: MEDIUM

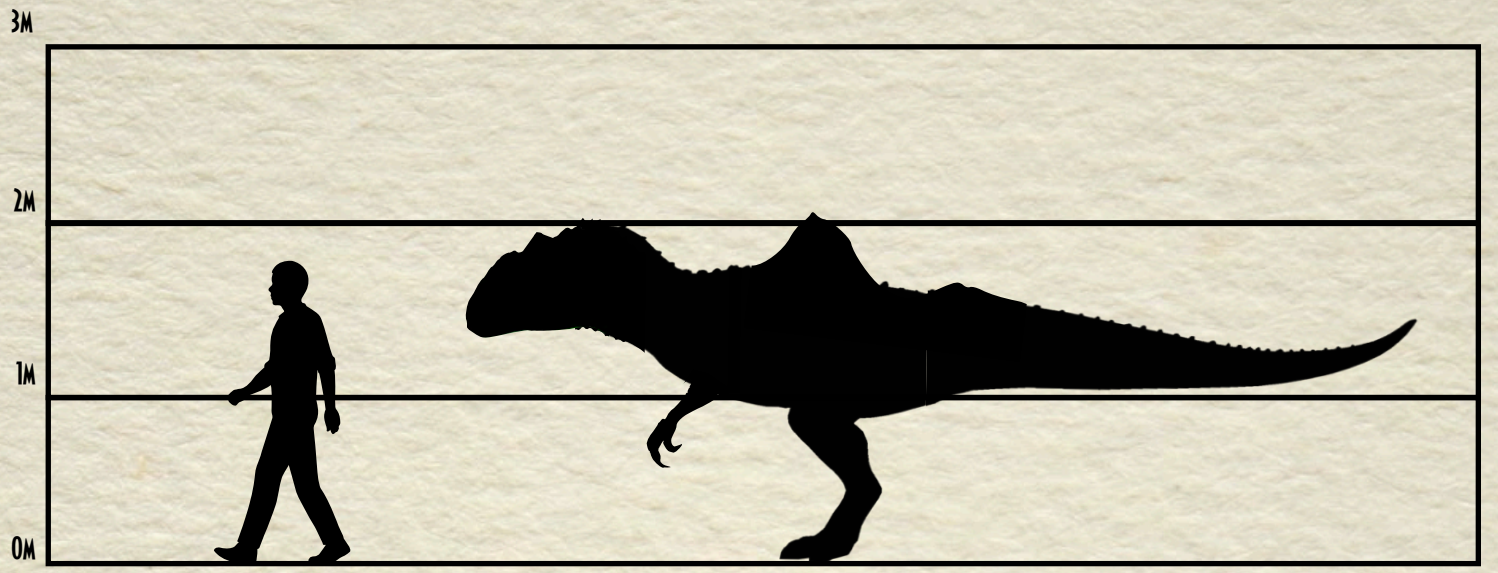
DIG SITES: MORRISON, LOURINHA, TENDAGURU FORMATIONS

FOUND IN: NORTH AMERICA

DINO FACT!

CERATOSAURUS IS A VERY CLOSE ANCESTOR OF BIRDS. IT IS KNOWN FOR HAVING OSTEODERMS RUNNING ALONG ITS BACK, AS WELL AS A KERATIN COVERED SNOUT HORN THAT WAS USED FOR DISPLAY. DESPITE BEING CARNIVOROUS, IT CAN OFTEN BE FOUND DRINKING AT WATERING HOLES WITH OTHER HERBIVORES

SPECIES PROFILE: CONCAVENATOR CORCOVATUS (CONCAVE HUNTER)



HEIGHT: 1.5-1.8M

LENGTH: 5.2-5.5M

ERA: EARLY CRETACEOUS

DIET: CARNIVORE

DANGER LEVEL: MEDIUM

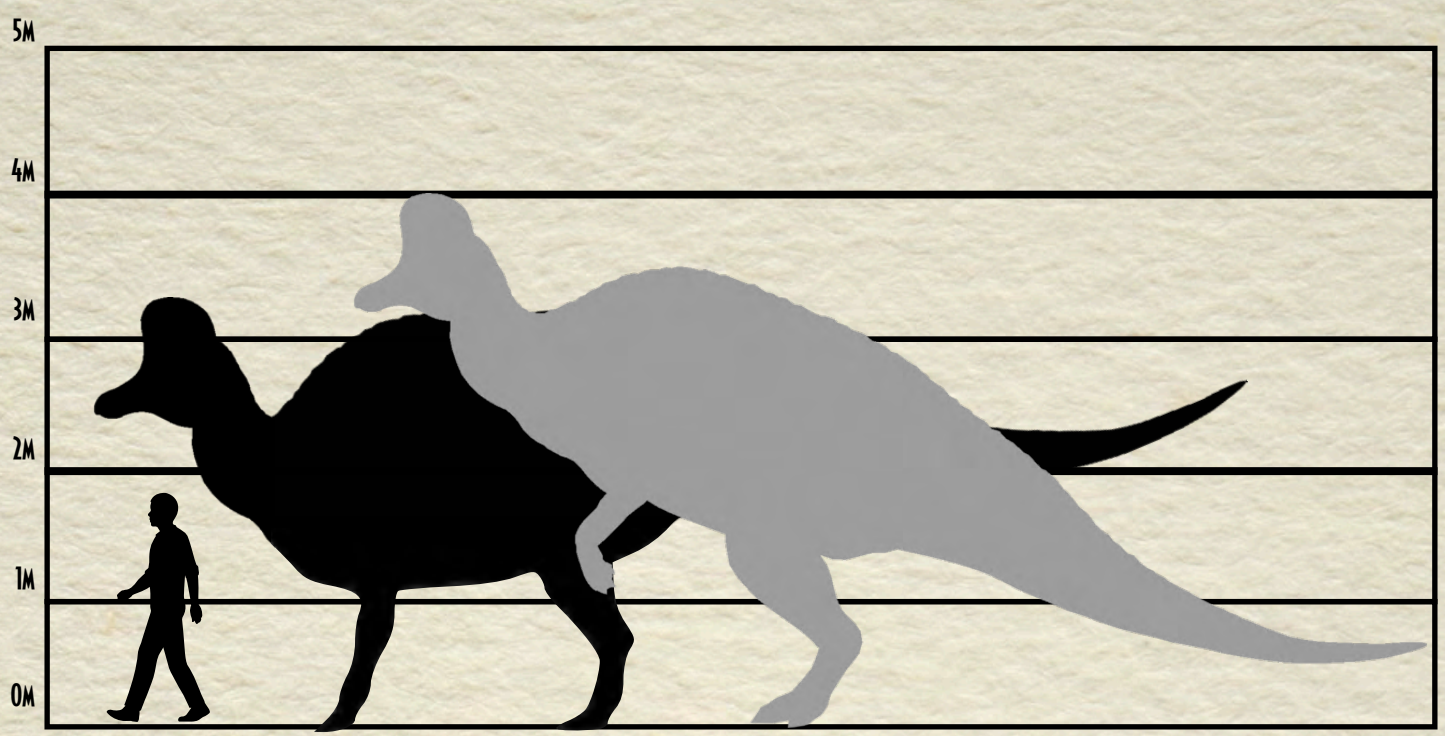
DIG SITES: LAS HOYAS FORMATION

FOUND IN: EUROPE

DINO FACT!

CONCAVENATOR IS KNOWN FOR ITS DISTINCTIVE HUMP, WHICH WAS SUSPECTED TO BE FOR EITHER DISPLAY OR THERMOREGULATION. HOWEVER, FINDINGS ALSO SUGGEST IT HAD ANOTHER UNIQUE TRAIT, QUILLS SIMILAR TO PSITACCOSAURUS

SPECIES PROFILE: CORYTHOSAURUS CASUARIUS (HELMET LIZARD)



HEIGHT: 3.0-3.3M, 3.8-4.1M(UPRIGHT)

LENGTH: 8.7-9.0M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: LOW

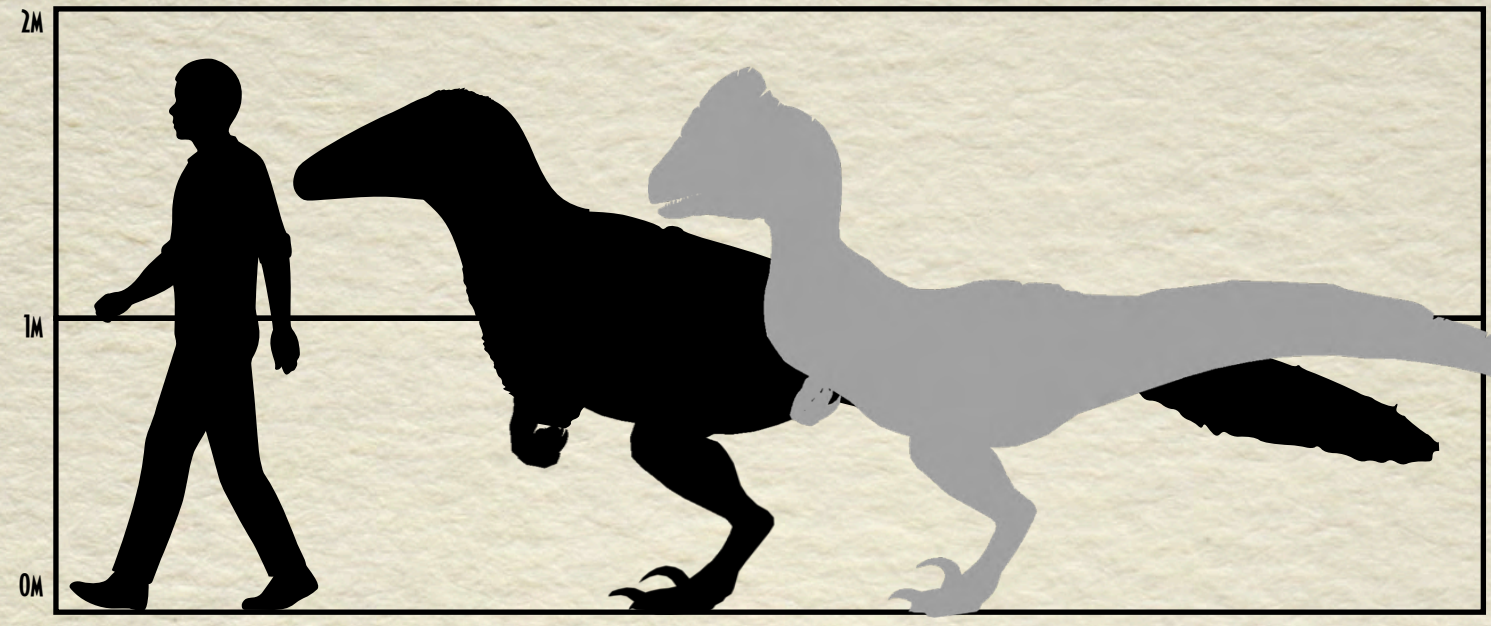
DIG SITES: DINOSAUR PARK, HORSHOE CANYON, LANCE FORMATIONS

FOUND IN: NORTH AMERICA

DINO FACT!

CORYTHOSAURUS WAS HIGHLY ABUNDANT IN THE LATE CRETACEOUS. IT IS KNOWN FROM A HOLOTYPE SPECIMEN THAT ONLY LACKED ITS TAIL AND PRESERVED AN IMPRESSION OF POLYGONAL SCALES. ANOTHER SPECIMEN PRESERVED ITS STOMACH CONTENTS OF CONFERS AND SEEDS ETC

SPECIES PROFILE: DEINONYCHUS ANTIRRHOPUS (TERRIBLE CLAW)



HEIGHT: 1.2-1.8M

LENGTH: 3.2-4.5M

ERA: LATE CRETACEOUS

DIET: CARNIVORE

DANGER LEVEL: HIGH

DIG SITES: CLOVERLY, CEDAR MOUNTAIN, ANTLER FORMATION

FOUND IN: NORTH AMERICA

DINO FACT!

DEINONYCHUS IS ONE OF THE MOST WELL KNOWN DROMAEOSAURIDS. IT IS KNOWN FOR BEING FEATHERED AND HAVING GREAT STEREOSCOPIC VISION, MASSIVE CLAWS AND POWERFUL JAWS THAT WERE LINED WITH OVER 70 CURVED TEETH.

SPECIES PROFILE: DIPLODOCUS LONGUS (DOUBLE BEAM)

HEIGHT: 5.8-6.1M

LENGTH: 28.0-31.5MM

ERA: LATE JURASSIC

DIET: HERBIVORE

DANGER LEVEL: LOW

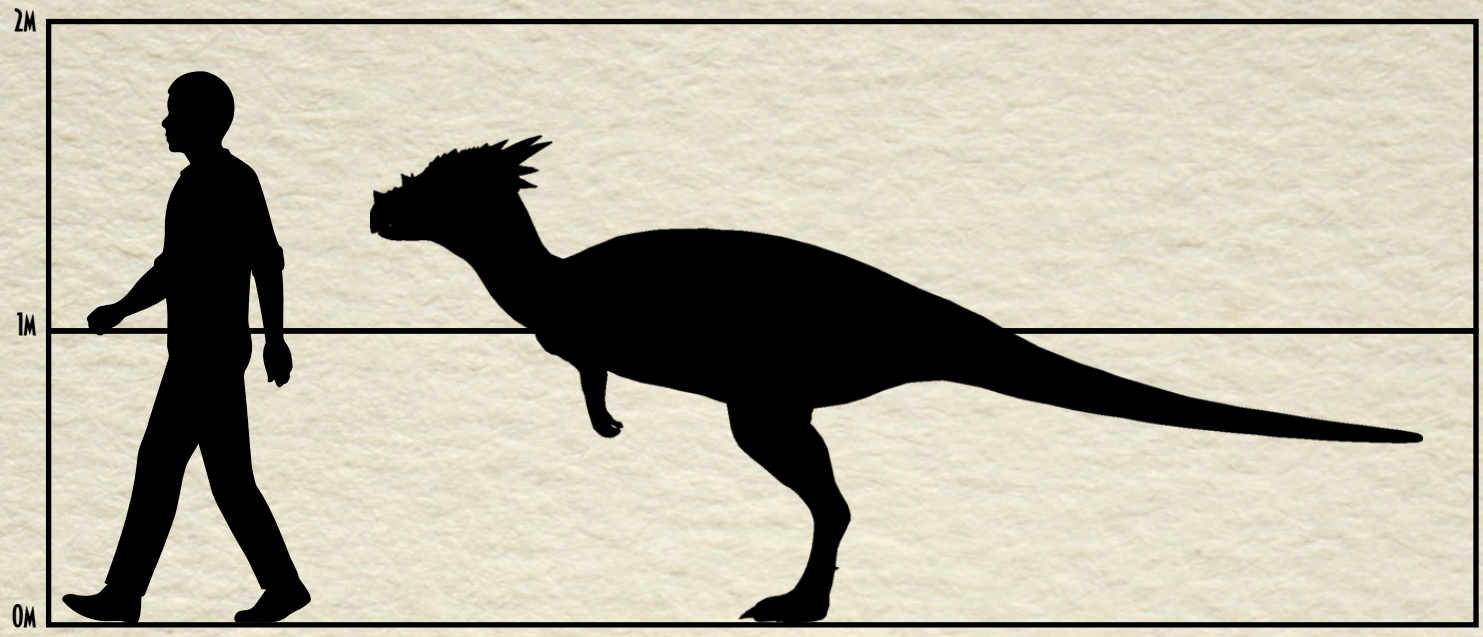
DIG SITES: DINOSAUR NATIONAL MONUMENT, MORRISON FORMATIONS

FOUND IN: NORTH AMERICA

DINO FACT!

THE POSITION OF DIPLODOCUS' NOSTRILS INITIALLY SUGGESTED AN AQUATIC LIFESTYLE. HOWEVER, LATER STUDIES CONFIRMED THAT WHEN SUBMERGED, WATER PRESSURE WOULD PREVENT INHALATION. THIS STRONGLY SUGGESTED A TERRESTRIAL LIFESTYLE, IN WHICH DIPLODOCUS' CONTINUALLY REGROWING, LONG, NEEDLE-LIKE TEETH WOULD STRIP FOLIAGE FROM THEIR STEMS

SPECIES PROFILE: DRACOREX HOGWARTSIA (DRAGON KING)



HEIGHT: 1.4-1.6M

LENGTH: 3.3-3.6M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: LOW

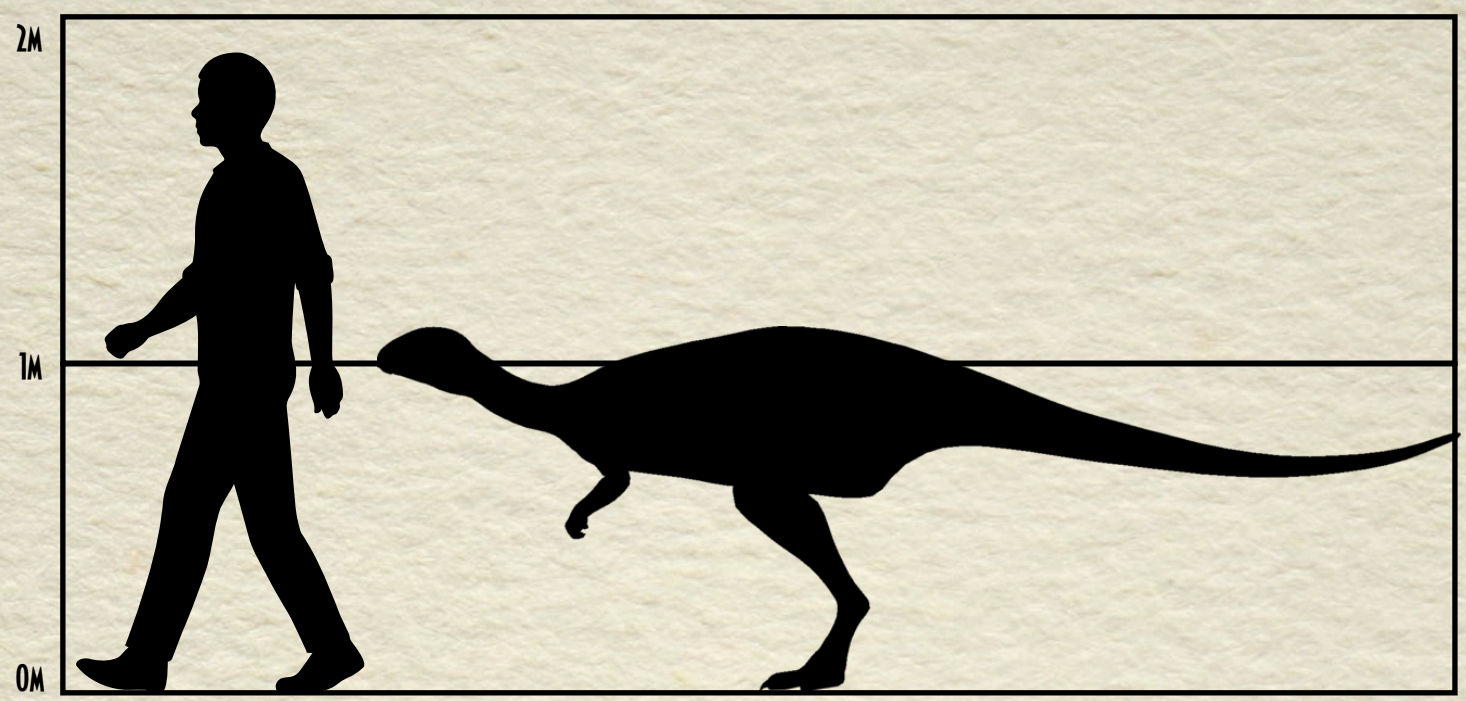
DIG SITES: HELL CREEK FORMATION

FOUND IN: NORTH AMERICA

DINO FACT!

AS DRACOREX IS ONLY KNOWN FROM A JUVENILE SKULL, IT IS PROPOSED TO BE A GROWTH STAGE OF THE LARGER PACHYCEPHALOSAURUS

SPECIES PROFILE: DRYOSAURUS ALTUS (TREE LIZARD)



HEIGHT: 0.8-1.1M

LENGTH: 2.8-3.2M

ERA: LATE JURASSIC

DIET: HERBIVORE

DANGER LEVEL: LOW

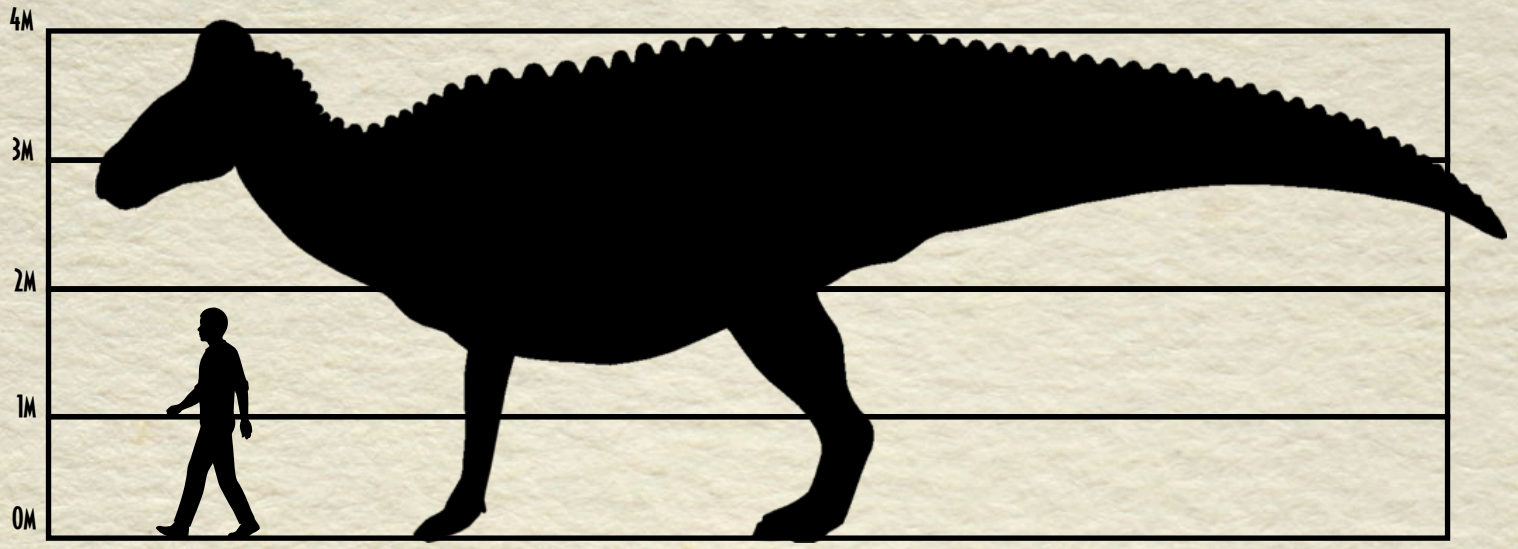
DIG SITES: DINOSAUR NATIONAL MONUMENT FORMATIONS

FOUND IN: NORTH AMERICA

DINO FACT!

DRYOSAURUS WAS LIKELY AN AGILE SPRINTER THAT USED ITS TAIL FOR COUNTERBALANCE. IT WOULD'VE FED ON LOW LYING VEGETATION ON FLOOD PLAINS, ALTHOUGH IT WAS ORIGINALLY THOUGHT TO BE A FOREST DWELLER

SPECIES PROFILE: EDMONTOSAURUS ANNECTENS (EDMONTON LIZARD)



HEIGHT: 3.9-4.2M

LENGTH: 11.4-11.6M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: MEDIUM

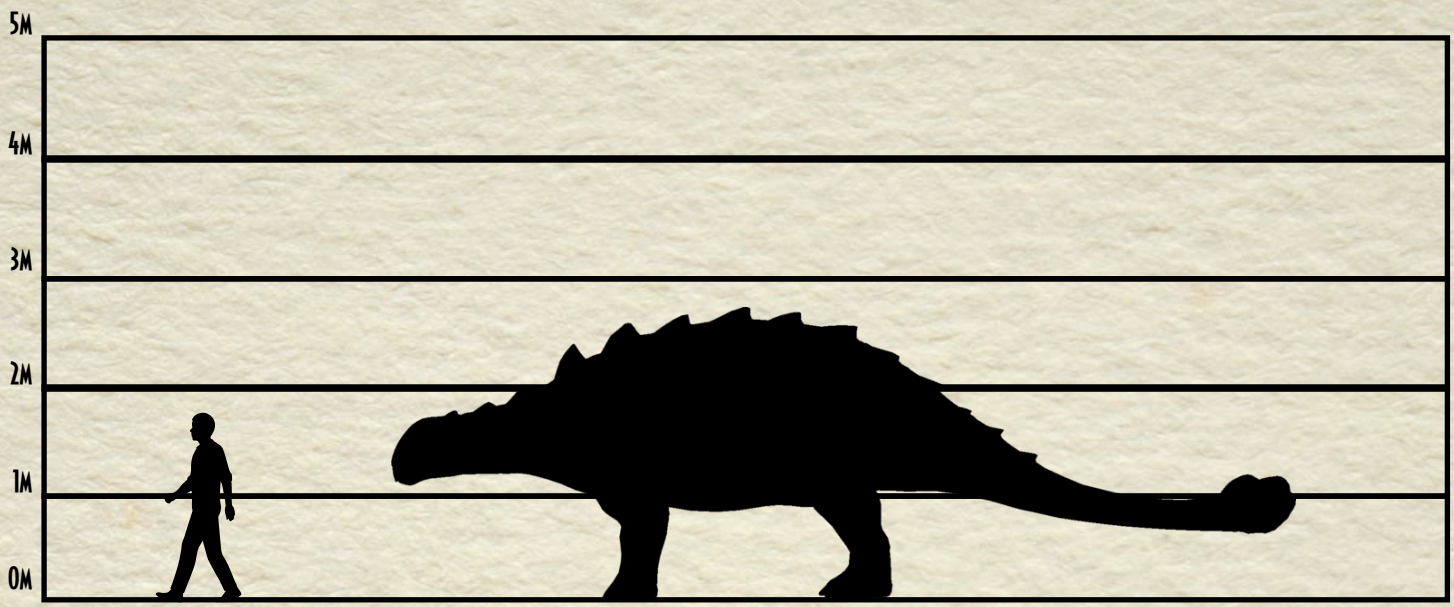
DIG SITES: HORSHOE CANYON, HEEL CREEK FORMATION

FOUND IN: NORTH AMERICA

DINO FACT!

EDMONTOSAURUS REGALIS WAS PRESERVED WITH A SMALL SOLID CREST AND LARGE FLESHY COMB. ITS ABUNDANCE ALLOWED FOR EXTENSIVE RESEARCH ON ITS COASTAL HABITAT AND HERD LIFESTYLE, AS WELL AS ITS FEEDING HABITS AND THE INJURIES INFLICTED BY TYRANNOSAUR ATTACKS

SPECIES PROFILE: EUPLOCEPHALUS TUTUS (WELL ARMED HEAD)



HEIGHT: 2.3-2.5M

LENGTH: 7.6-7.9M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: MEDIUM

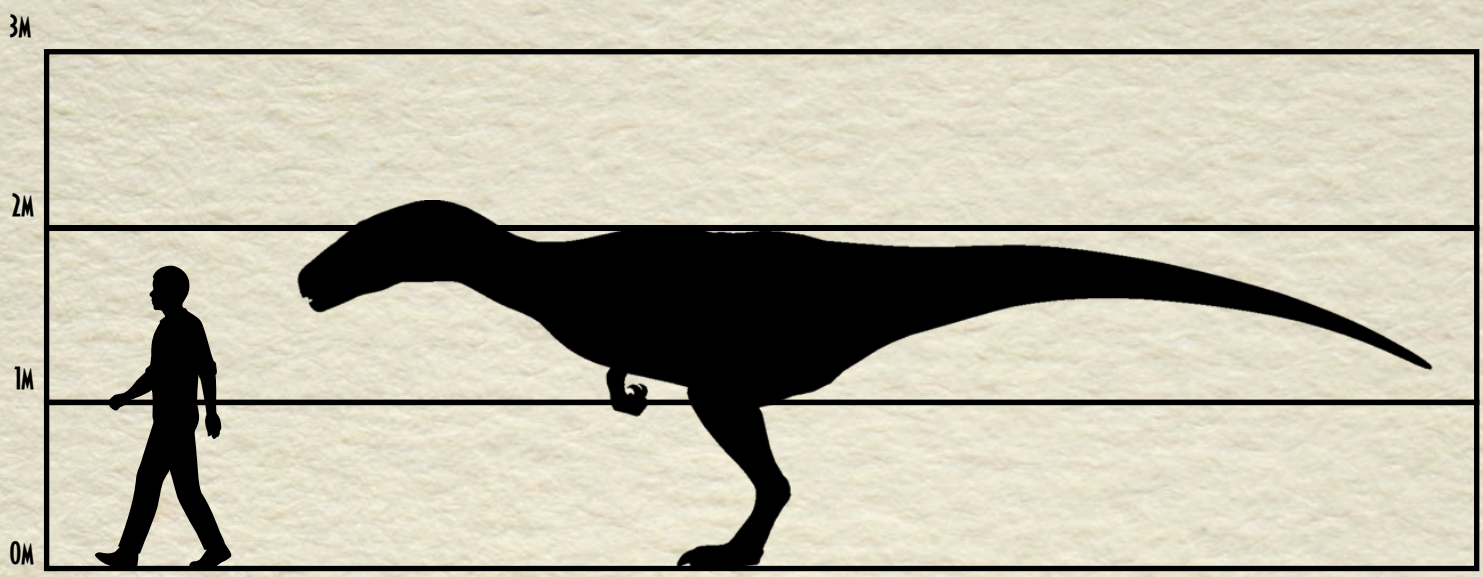
DIG SITES: DINOSAUR PARK FORMATION

FOUND IN: NORTH AMERICA

DINO FACT!

EUOPLOCEPHALUS WAS COVERED IN RIDGED OVAL SCUTES AND THICK BONE ARMOUR. HOWEVER, IT LACKED THE CIRCULAR OSTEODERMS AT THE BASE OF ITS HORNS PRESENT AMONG OTHER ANKYLOSAURS. IT HAD 2 BONE RINGS THAT PROTECTED ITS NECK WHILE FEEDING IN ADDITION TO HAVING A HEAVY CLUBBED TAIL

SPECIES PROFILE: HERRERASAURUS ISCHIGUALASTENSIS (HERRERA'S LIZARD)



HEIGHT: 1.8-2.1M

LENGTH: 6.1-6.4M

ERA: LATE TRIASSIC

DIET: CARNIVORE

DANGER LEVEL: MEDIUM

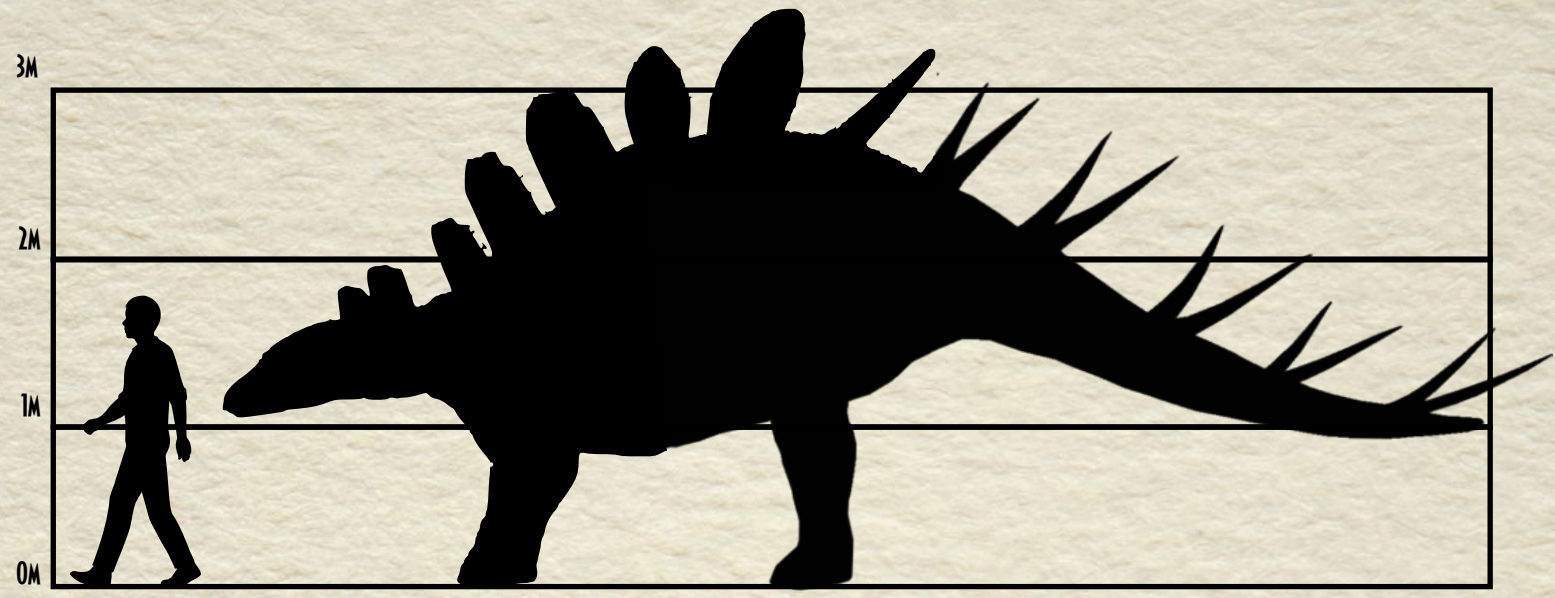
DIG SITES: ISCHIGUALASTO FORMATION

FOUND IN: SOUTH AMERICA

DINO FACT!

AMONG THE FIRST OF THE DINOSAURS, HERRERASAURUS WAS FULLY BIPEDAL AND HAD A TAIL STIFFENED BY OVERLAPPING VERTEBRAL PROJECTIONS, WHICH AIDED IN BALANCE AND SPEED. ITS LARGER CLAWS ALSO LIKELY AIDED IN GRIPPING PREY

SPECIES PROFILE: KENTROSAURUS AETHIPICUS (SHARP LIZARD)



HEIGHT: 3.2-3.5M

LENGTH: 8.5-7.9M

ERA: LATE JURASSIC

DIET: HERBIVORE

DANGER LEVEL: MEDIUM

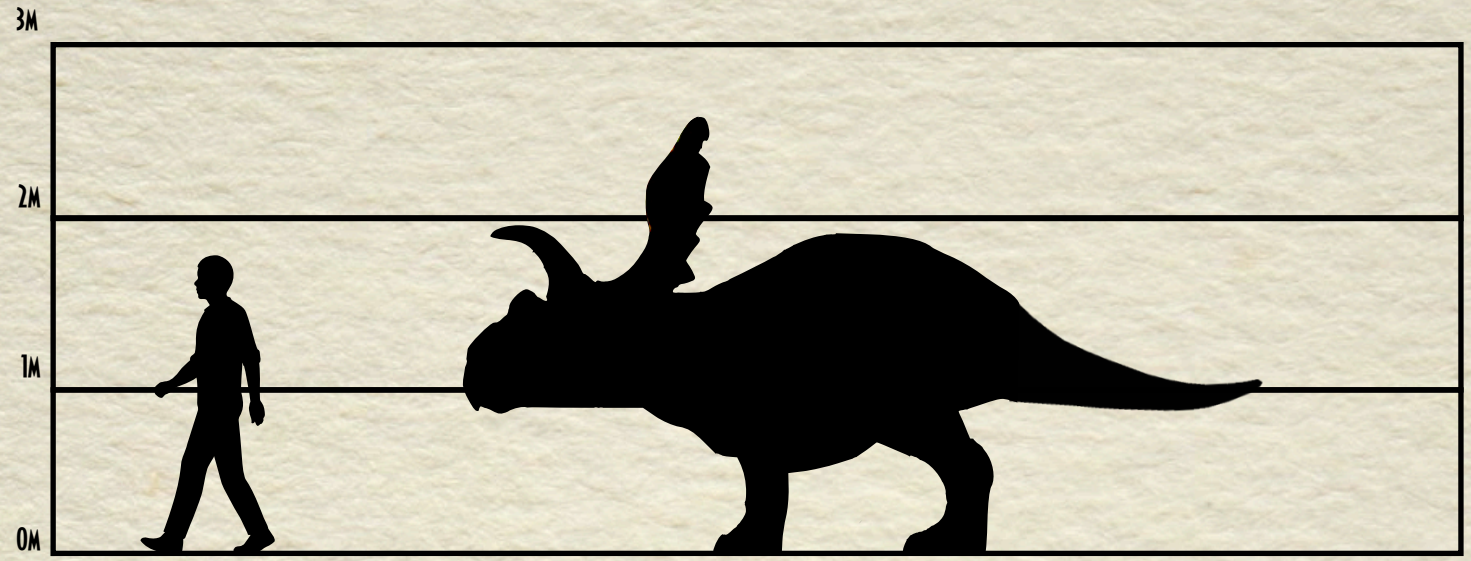
DIG SITES: TENDAGURU FORMATION

FOUND IN: AFRICA

DINO FACT!

KENTROSAURUS WAS A PRIMITIVE STEGOSAUR WHICH HAD 2 ROWS OF PLATES THAT MERGED INTO SPIKES ABOVE THE HIPS. THE SPIKES AT THE END OF THE TAIL WERE LIKELY USED FOR DEFENCE, THOUGH THEIR THINNESS WOULD HAVE MADE THEM MORE PRONE TO BENDING THAN THAT OF OTHER LARGER STEGOSAURS

SPECIES PROFILE: KOSMOCERATOPS RICHARDSONI (ORNATE HORNED FACE)



HEIGHT: 2.1-2.4M

LENGTH: 4.3-4.8M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: LOW

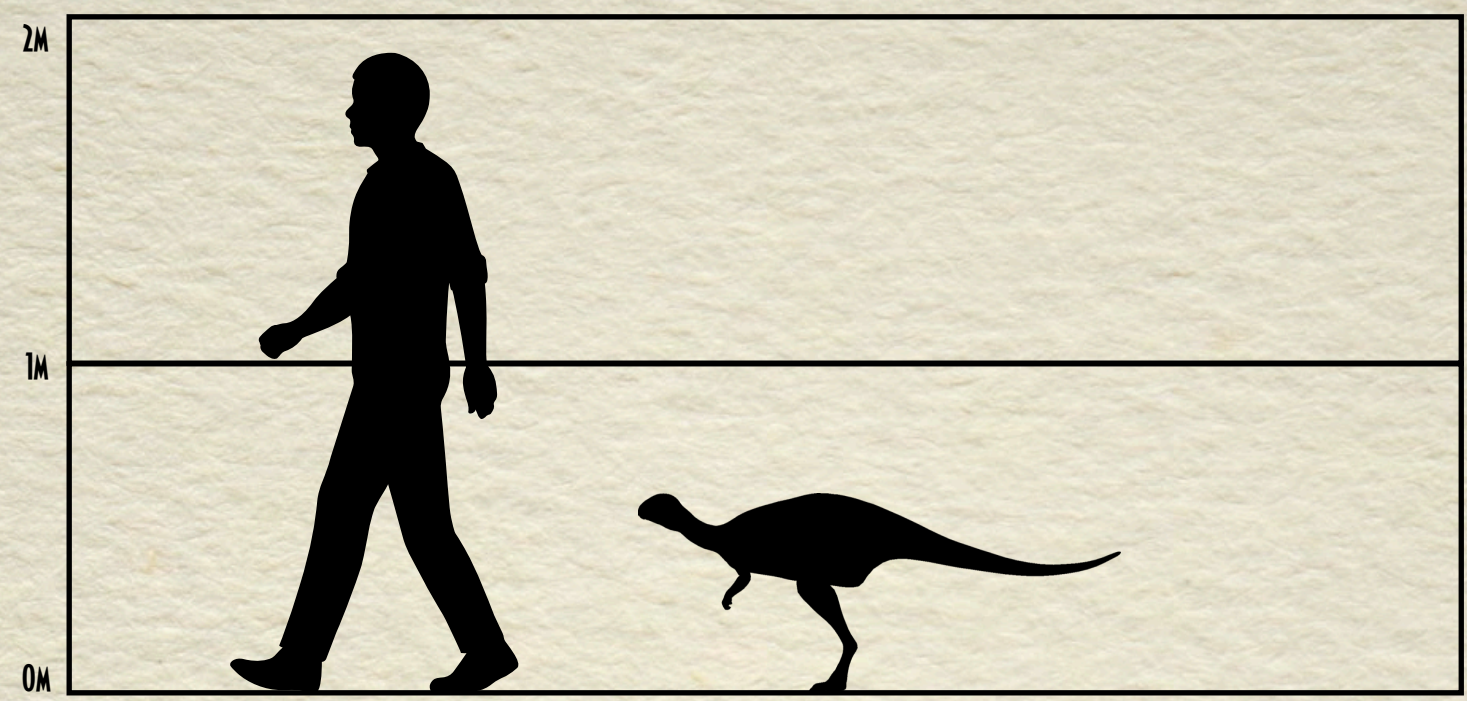
DIG SITES: KAIPAROWITS FORMATION

FOUND IN: NORTH AMERICA

DINO FACT!

KOSMOCERATOPS HAD BROW HORNS POINTING UP AND TO THE SIDES, ALONG WITH A SHORT NECK FRILL AND OVER 20 CURVED HORNS

SPECIES PROFILE: LESOTHOSAURUS DIAGNOSTICUS (LIZARD OF LESOTHO)



HEIGHT: 0.3-0.6M

LENGTH: 1.0-1.4M

ERA: EARLY JURASSIC

DIET: HERBIVORE

DANGER LEVEL: LOW

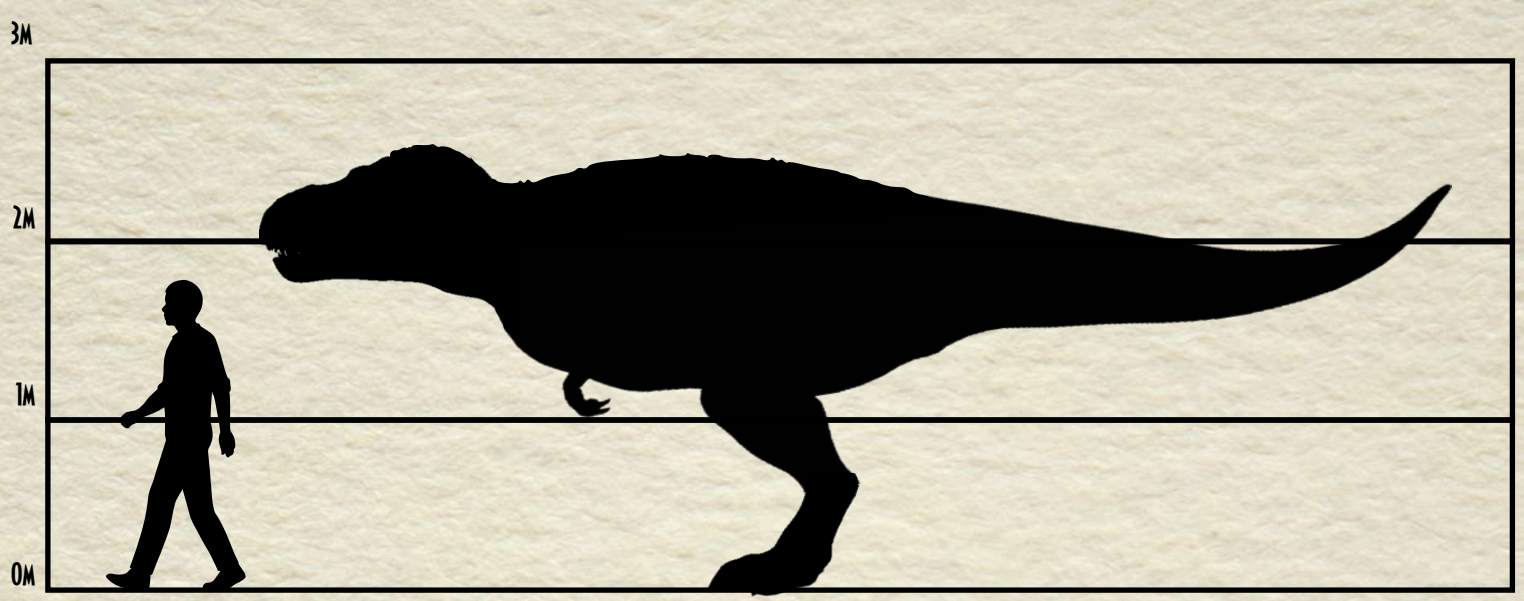
DIG SITES: UPPER ELLIOT FORMATIONS

FOUND IN: AFRICA

DINO FACT!

LESOTHOSAURUS WAS A BIPEDAL OMNIVORE WHOSE HANDS WOULD NOT HAVE BEEN ABLE TO GRASP PROPERLY. IT HAD A LONG TAIL WHICH AIDED RUNNING AND ,INTERESTINGLY, BOTH LEAF SHAPED AND FANG-LIKE TEETH FOR SLICING UP TOUGH PLANTS

SPECIES PROFILE: LYTHRONAX ARGESTES (GORE KING)



HEIGHT: 2.2-2.5M

LENGTH: 5.9-6.3M

ERA: LATE CRETACEOUS

DIET: CARNIVORE

DANGER LEVEL: HIGH

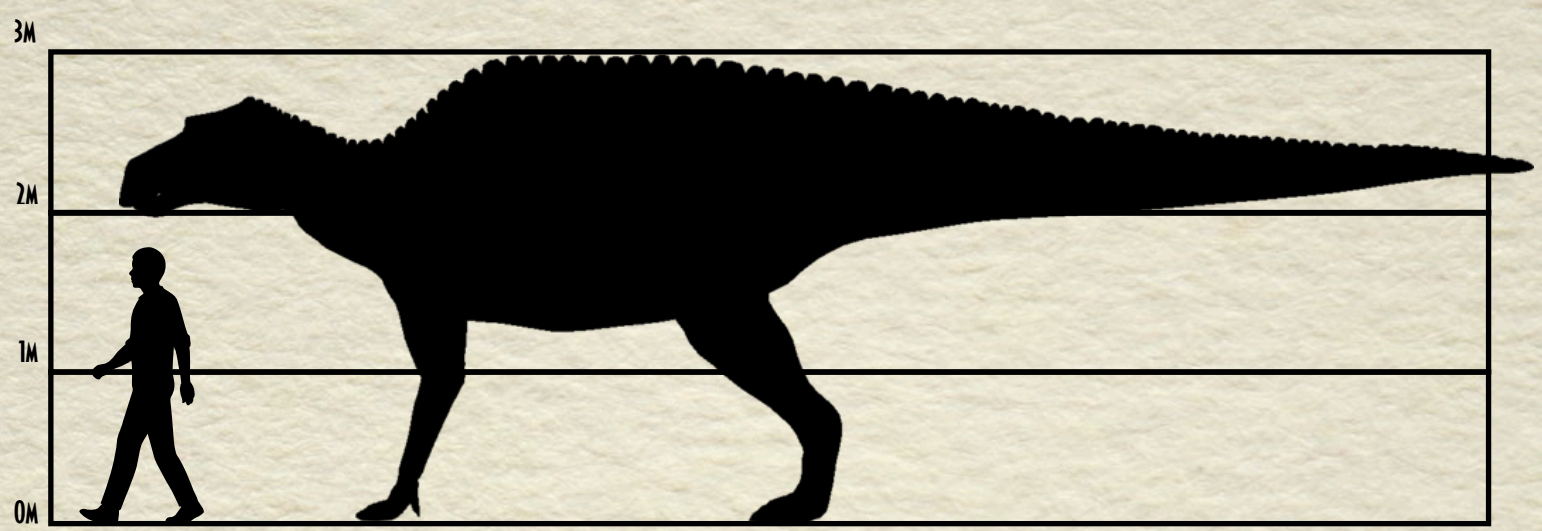
DIG SITES: WAHWEAP FORMATION

FOUND IN: NORTH AMERICA

DINO FACT!

LYTHRONAX WAS AN EARLY TYRANNOSAURID THAT EVOLVED FORWARD DIRECTED ORBITS, WHICH MADE ITS LINES OF SIGHT MORE PARALLEL TO EACH OTHER. THIS GAVE IT BETTER DEPTH PERCEPTION, WHICH HELPED IT JUDGE AMBUSH TIMINGS AND DETECT OBSTACLES

SPECIES PROFILE: MAIASAURA PEEBLESORUM (GOOD MOTHER)



HEIGHT: 2.9-3.2M

LENGTH: 8.9-9.2M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: LOW

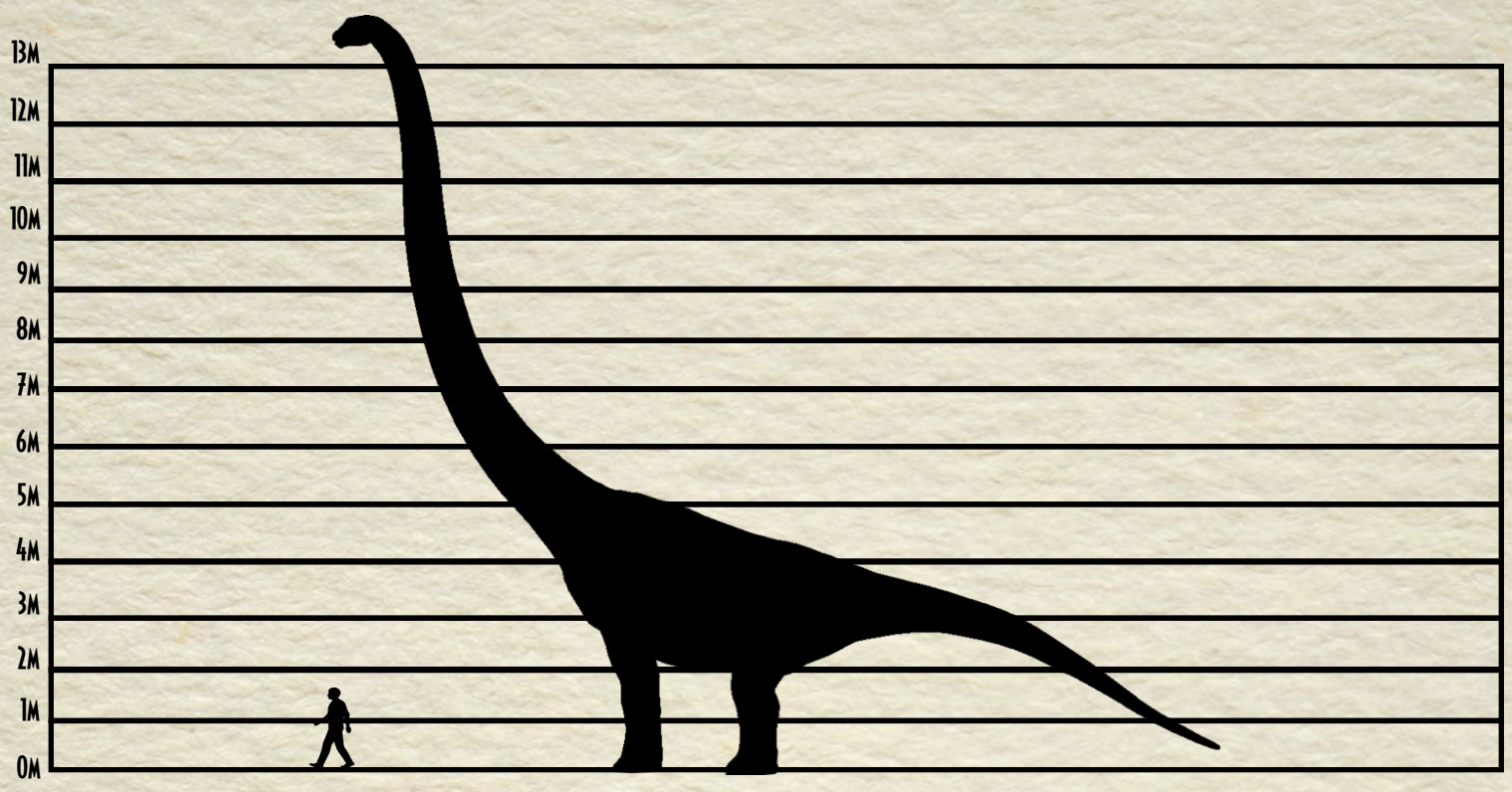
DIG SITES: EGG MOUNTAIN FORMATION

FOUND IN: NORTH AMERICA

DINO FACT!

MAIASAURA FOSSILS WERE FOUND ON A NEST OF EGGS ALONGSIDE YOUNGER MAIASAURA, INDICATING THAT THEY CARED FOR AND FED THEIR YOUNG, WHICH WALKED ON THEIR HINDLEGS UNLIKE THE QUADRUPEDAL ADULTS

SPECIES PROFILE: MAMENCHISAURUS CONSTRUCTUS (MAMENCHI LIZARD)



HEIGHT: 11.3-11.7M

LENGTH: 35.4-35.7M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: LOW

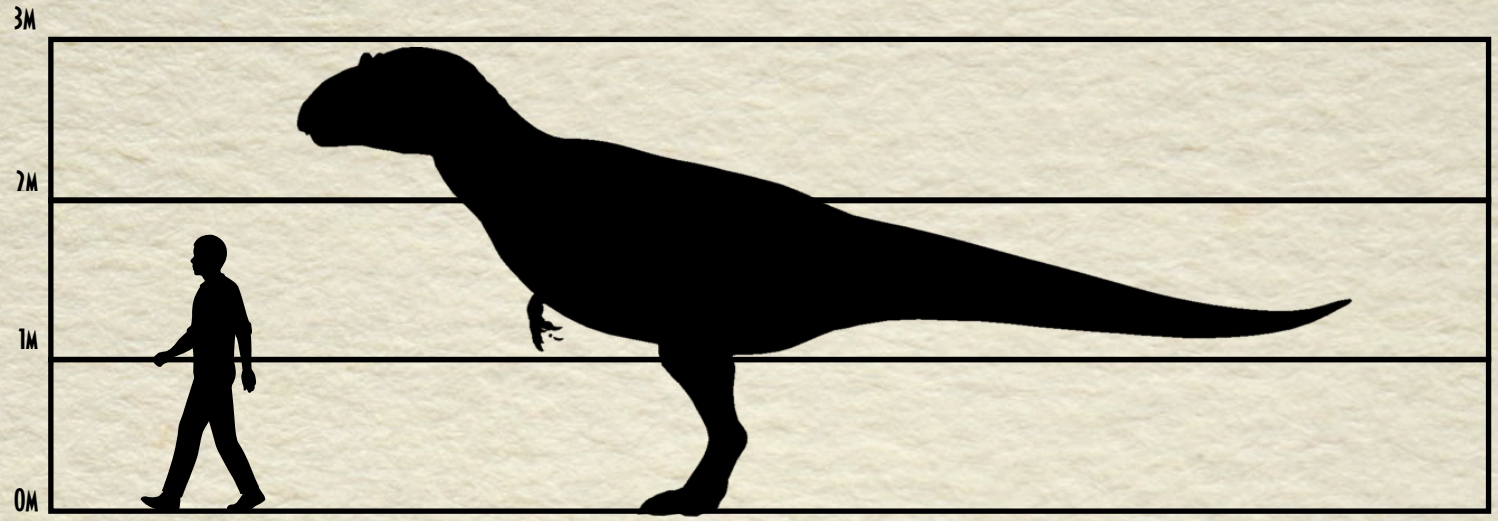
DIG SITES: CERROR FOTALEZA FORMATION

FOUND IN: ASIA

DINO FACT!

MAMENCHISAURUS' NECK MADE UP HALF THE LENGTH OF ITS BODY. IT WAS RELATIVELY STRAIGHT AND S-BENDED, WITH HIGH UPWARD FLEXIBILITY AND LOW DOWNWARD FLEXIBILITY

SPECIES PROFILE: METRIACANTHOSAURUS PARKERI (MIDDLE SPINED LIZARD)



HEIGHT: 2.8-3.1M

LENGTH: 7.7-8.2M

ERA: LATE JURASSIC

DIET: CARNIVORE

DANGER LEVEL: HIGH

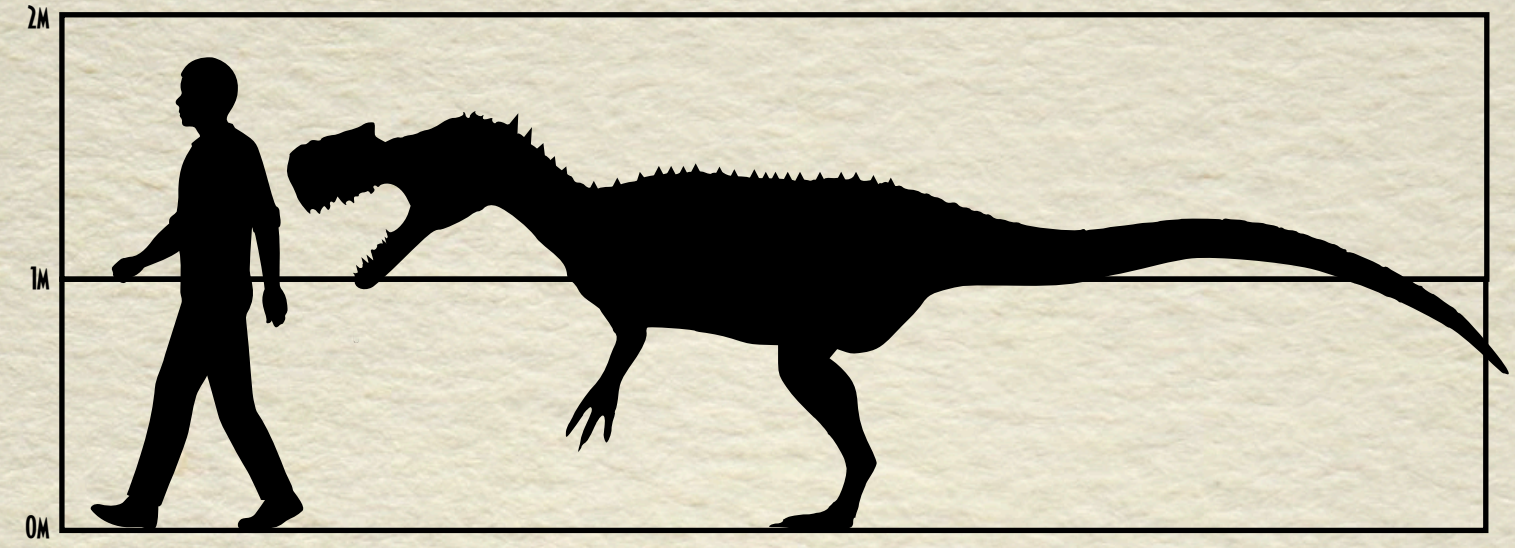
DIG SITES: OXFORD CLAY FORMATION

FOUND IN: EUROPE

DINO FACT!

IT'S CALLED THE MODERATE SPINED LIZARD AS ITS VERTEBRA ARE TALLER THAN TYPICAL CARNOSAURS BUT LOWER THAN THE HIGH SPINED ACROCANTHOSAURUS

SPECIES PROFILE: MONOLOPHOSAURUS JIANGI (SINGLE CRESTED LIZARD)



HEIGHT: 1.3-1.6M

LENGTH: 4.8-5.2M

ERA: MIDDLE JURASSIC

DIET: CARNIVORE

DANGER LEVEL: HIGH

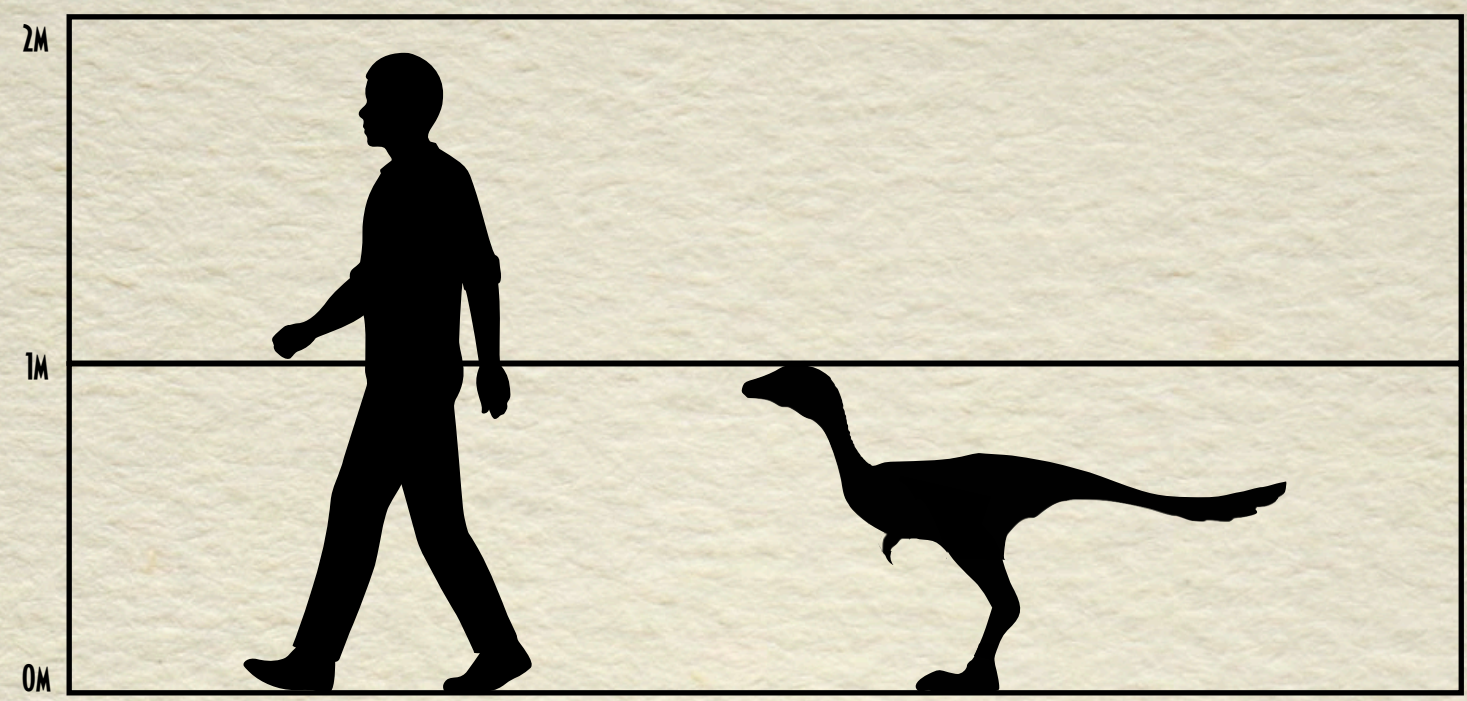
DIG SITES: SHISHUGOU FORMATION

FOUND IN: ASIA

DINO FACT!

THERE IS DEBATE WHETHER GUANLONG IS A SUBADULT FORM OF MONOLOPHOSAURUS AS THEY ARE BOTH ALLOSAUROIDS WITH A DISTINCTIVE SINGLE CREST

SPECIES PROFILE: MONONYKUS OLECRANUS (SINGLE CLAW)



HEIGHT: 0.6-0.8M

LENGTH: 1.1-1.5M

ERA: LATE CRETACEOUS

DIET: CARNIVORE

DANGER LEVEL: MEDIUM

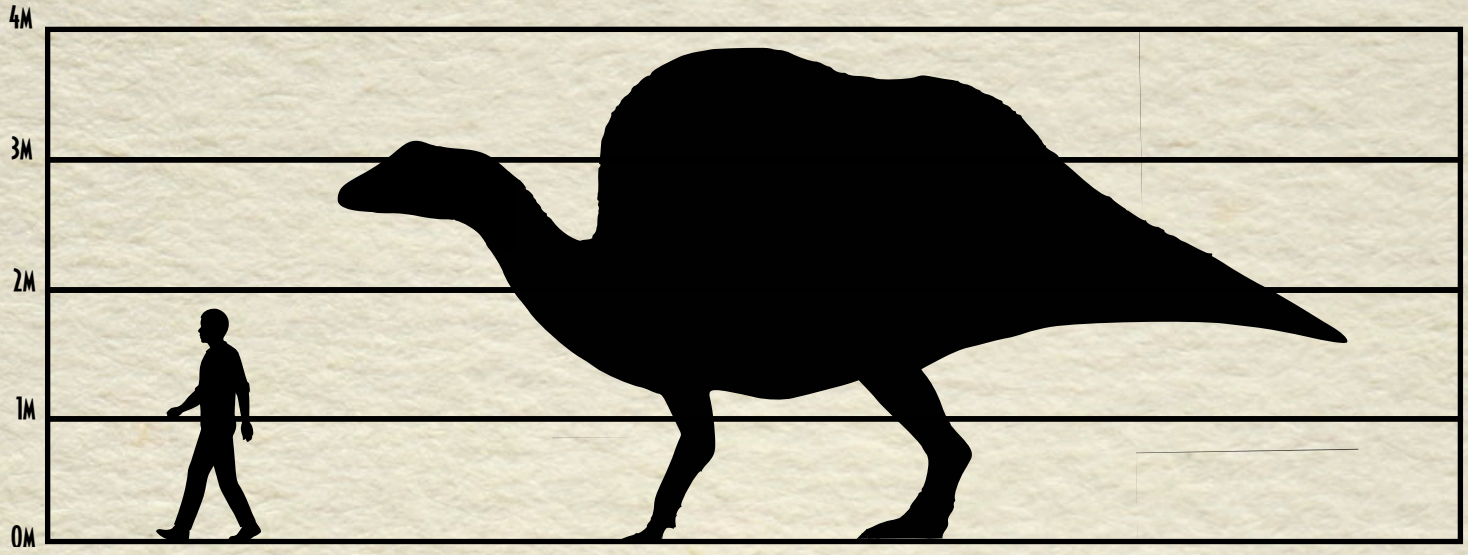
DIG SITES: NEMEGT FORMATIONS

FOUND IN: ASIA

DINO FACT!

IT IS THEORISED THAT MONONYKUS USED ITS VESTIGIAL CLAWS FOR BREAKING OPEN TERMITE MOUNDS, SUGGESTING AN INSECTIVOROUS DIET. IT WAS LIKELY COVERED IN A COAT OF FEATHERS

SPECIES PROFILE: OURANOSAURUS NIGERIENSIS (BRAVE LIZARD)



HEIGHT: 3.5-3.8M

LENGTH: 7.8-8.1M

ERA: EARLY CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: MEDIUM

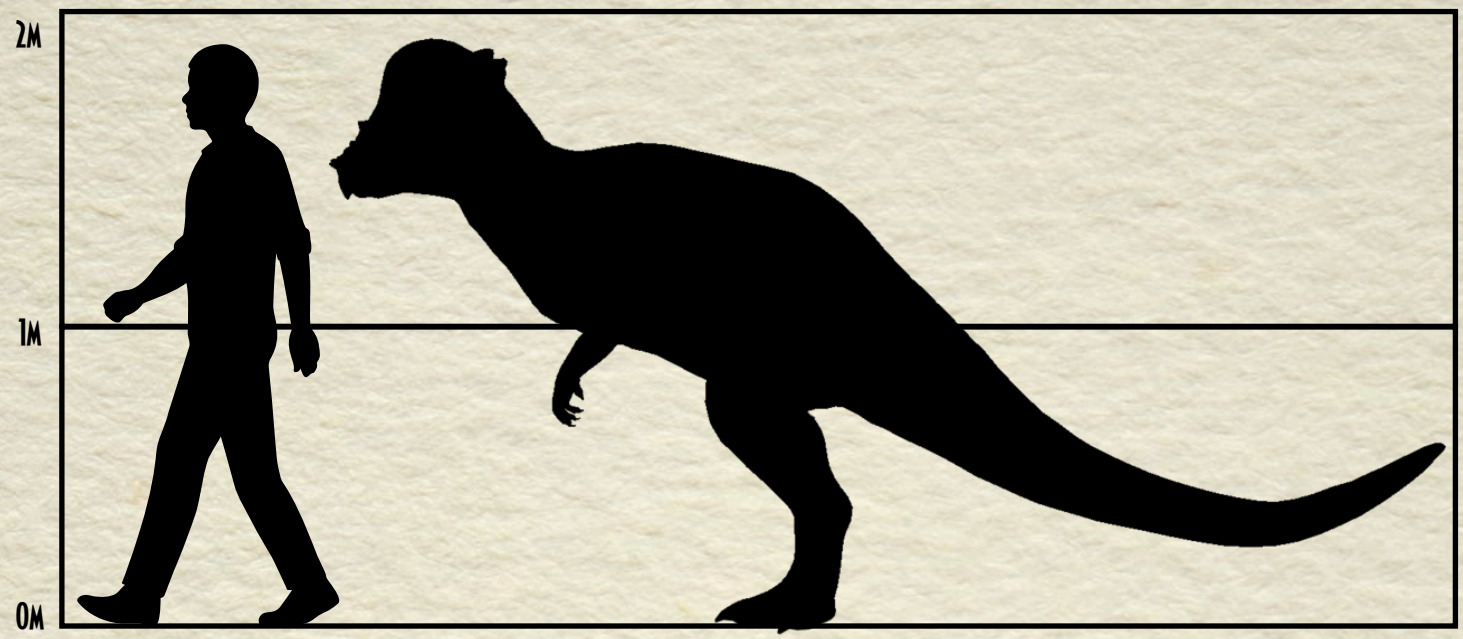
DIG SITES: TEGAMA BEDS FORMATION

FOUND IN: AFRICA

DINO FACT!

OURANOSAURUS HAD RELATIVELY WEAK JAW MUSCLES AND USED ITS TEETH TO CHEW UP TOUGH PLANTS. ITSUSPECTEDS WIDE BEAK SUGGESTS IT ATE LARGE AMOUNTS OF LOW QUALITY FODDER ON THE RIVER DELTA IT LIVED ON. THE SAIL IS SUSPECTED TO SERVE THERMOREGULATORY, DISPLAY OR FAT STORAGE

SPECIES PROFILE: PACHYCEPHALOSAURUS WYOMINGENSIS (THICK HEADED LIZARD)



HEIGHT: 2.8-3.1M

LENGTH: 7.7-8.2M

ERA: LATE JURASSIC

DIET: CARNIVORE

DANGER LEVEL: HIGH

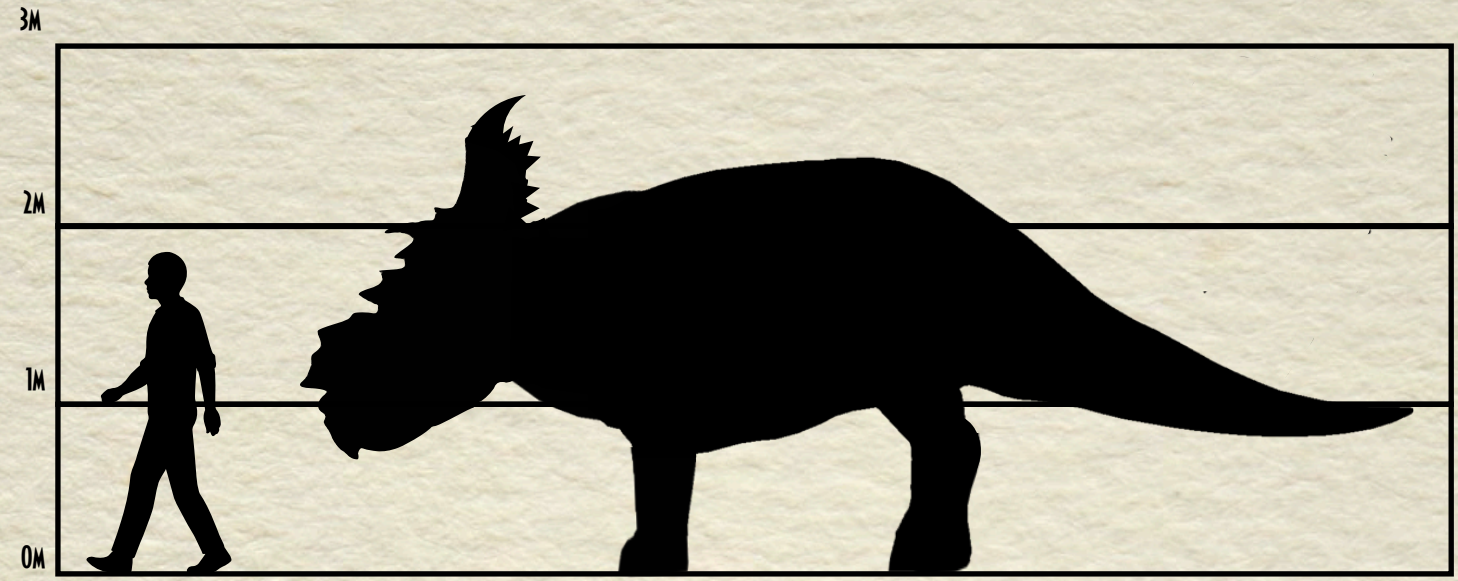
DIG SITES: OXFORD CLAY FORMATION

FOUND IN: NORTH AMERICA

DINO FACT!

ALTHOUGH PACHYCEPHALOSAURS ARE COMMONLY BELIEVED TO HAVE BUTTED HEADS, THEIR SKULL SHAPE AND SPINES WERE NOT ADAPTED FOR HEAD ON COLLISIONS, IT IS INSTEAD MORE LIKELY THAT THEY ENGAGED IN FLANK BUTTING

SPECIES PROFILE: PACHYRHINOSAURUS CANADENSIS (THICK NOSED LIZARD)



HEIGHT: 2.3-2.6M

LENGTH: 6.0-6.3M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: MEDIUM

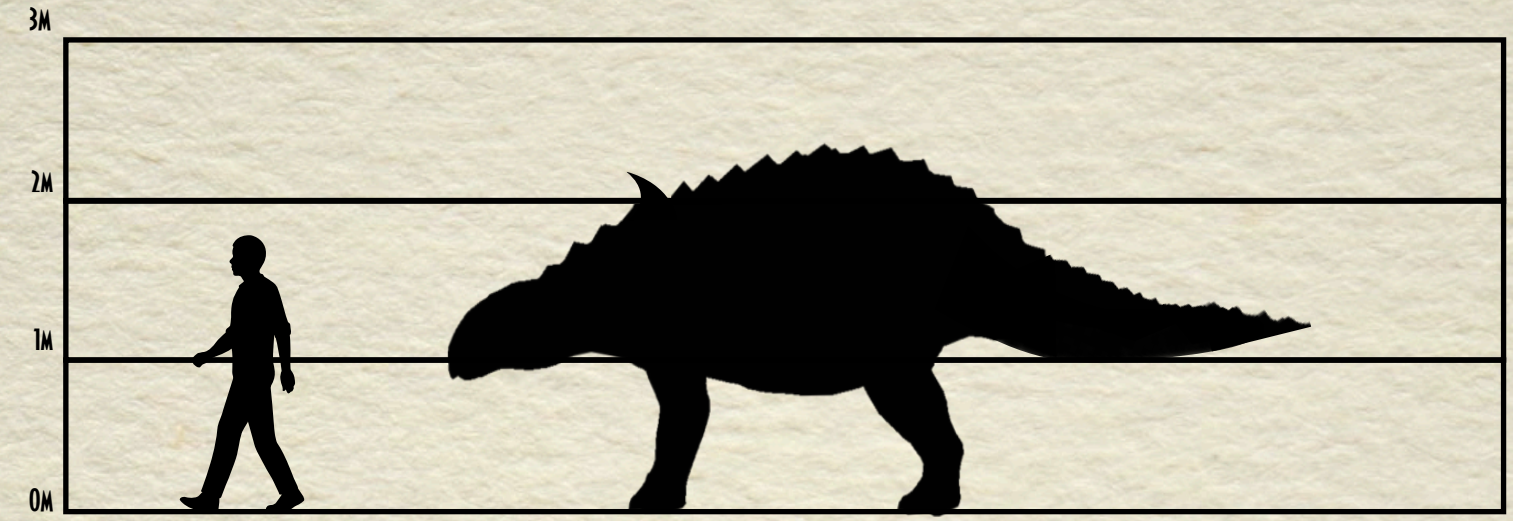
DIG SITES: PRINCE CREEK FORMATION

FOUND IN: NORTH AMERICA

DINO FACT!

PACHYRHINOSAURUS HAD STRONG CHEEK TEETH TO CHEW THROUGH TOUGH FIBROUS PLANTS, THEY HAD BOSSES ABOVE THEIR EYES AND SNOUT INSTEAD OF THE USUAL HORNS. IT COULD'VE BEEN COVERED IN QUILLS OR FUR THAT WOULD HAVE INSULATED IT IN IT'S COLD HABITAT

SPECIES PROFILE: PELOROPLITES CEDRIMONTANUS (MONSTROUS HEAVY ONE)



HEIGHT: 2.9-3.2M

LENGTH: 8.9-9.2M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: LOW

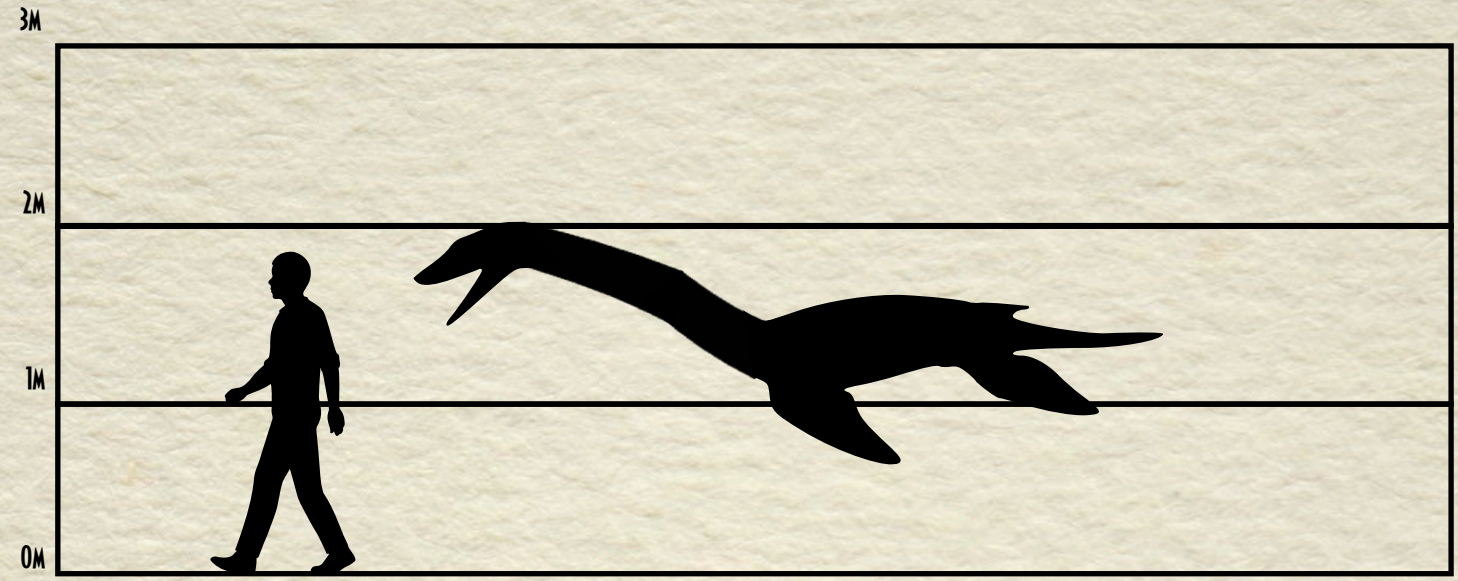
DIG SITES: CEDAR MOUNTAIN FORMATION

FOUND IN: NORTH AMERICA

DINO FACT!

PELOROPLITES IS ONE OF THE LARGEST NODOSAURS, A GROUP OF ANKYLOSAURS THAT HAD LEAF SHAPED TEETH AND HEAVY OSTEODERM ARMOUR BUT LACKED TAIL CLUBS, REPLACING THEM WITH FLEXIBLE TAILS TIPS

SPECIES PROFILE: PLESIOSAURUS DOLICHODEIRUS (CLOSE TO LIZARD)



HEIGHT: 0.4-0.8

LENGTH: 3.4-3.7M

ERA: EARLY JURASSIC

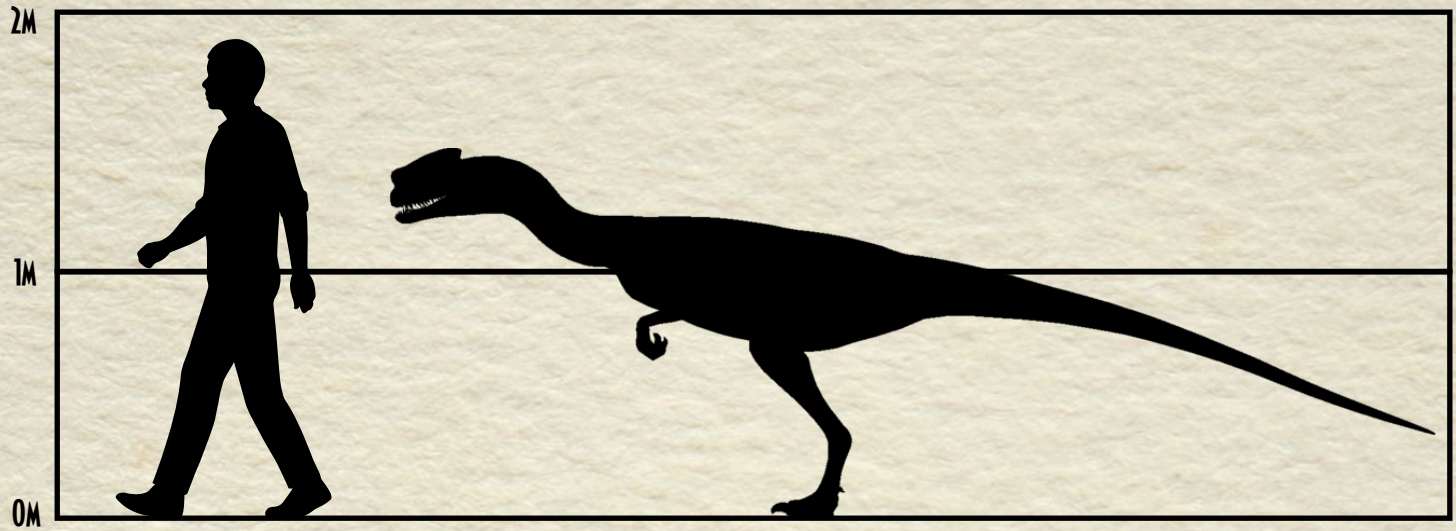
DIET: PISCIVORE/CARNIVORE

DANGER LEVEL: MEDIUM

DIG SITES: LIAISSIC FORMATION

FOUND IN: OPEN WATERS AND RIVERS

SPECIES PROFILE: PROCERATOSAURUS BADLEYI (EARLY CRESTED LIZARD)



HEIGHT: 1.3-1.5M

LENGTH: 3.5-4.2M

ERA: MIDDLE JURASSIC

DIET: CARNIVORE

DANGER LEVEL: MEDIUM

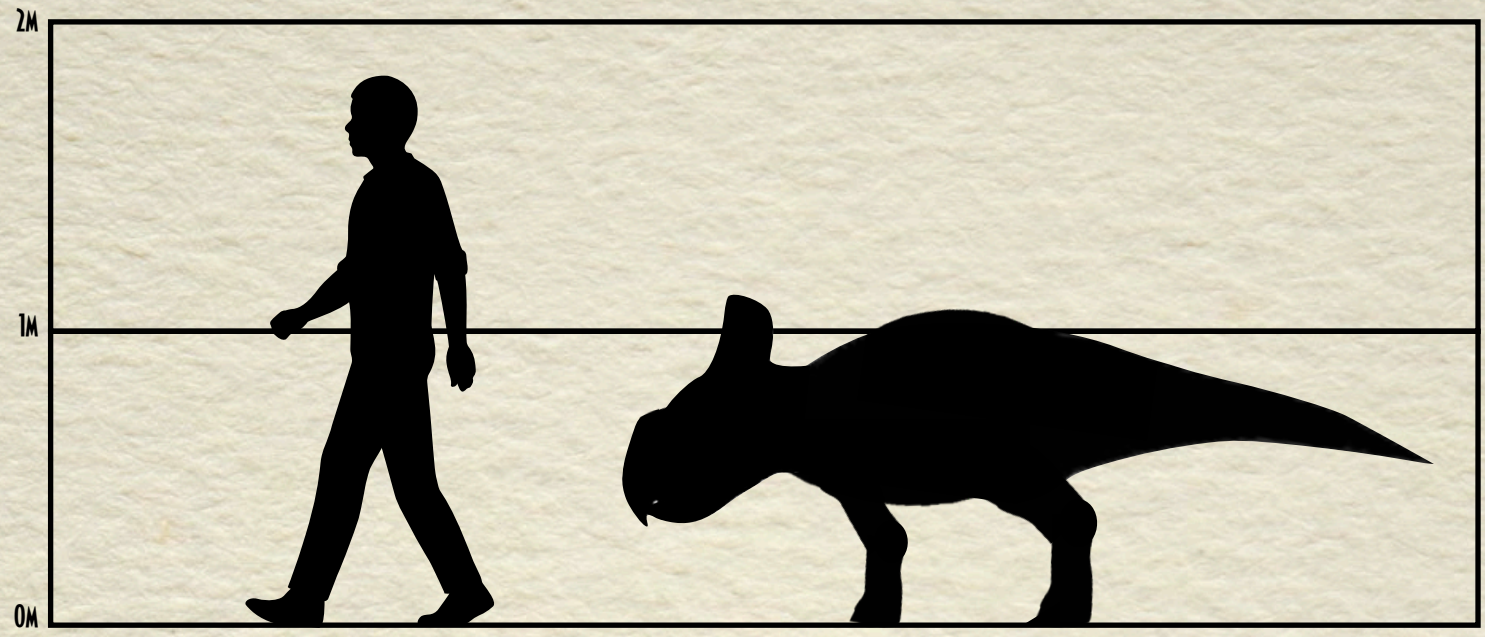
DIG SITES: TAYNTON LIMESTONE FORMATION

FOUND IN: EUROPE

DINO FACT!

PROCERATOSAURUS' CREST COULD'VE BEEN FOR DISPLAY BUT ALSO MIGHT'VE REDUCED BENDING STRESSES ON THE SKULL OR MAY INDICATE THAT THEY USED A PUNCTURE PULL STRATEGY FOR HUNTING PREY

SPECIES PROFILE: PROTOCERATOPS ANDREWSI (EARLY HORNED FACE)



HEIGHT: 0.9-1.2M

LENGTH: 1.7-1.9M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: LOW

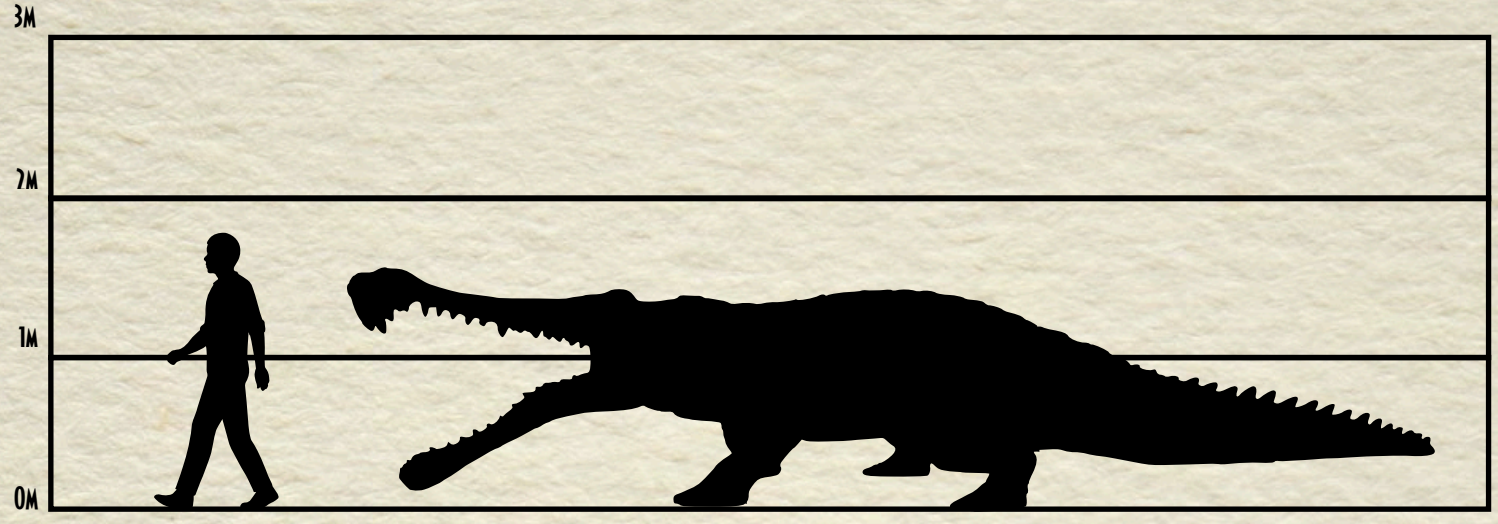
DIG SITES: DJADOCHTA FORMATION

FOUND IN: ASIA

DINO FACT!

PROTOCERATOPS' FRILL WAS USED FOR DISPLAY IN MATING. THEY WERE ALSO THEORISED TO HAVE BEEN USED FOR PROTECTION AND ANCHORING ITS JAW MUSCLES BEFORE THESE WERE PROVED FALSE BY STUDIES THAT SHOWED THE FRAGILITY AND POOR LEVERAGE OF THEM

SPECIES PROFILE: SARCOSUCHUS IMPERATOR (FLESH CROCODILE)



HEIGHT: 0.9-1.2M

LENGTH: 9.4-9.9M

ERA: LATE CRETACEOUS

DIET: CARNIVORE

DANGER LEVEL: HIGH

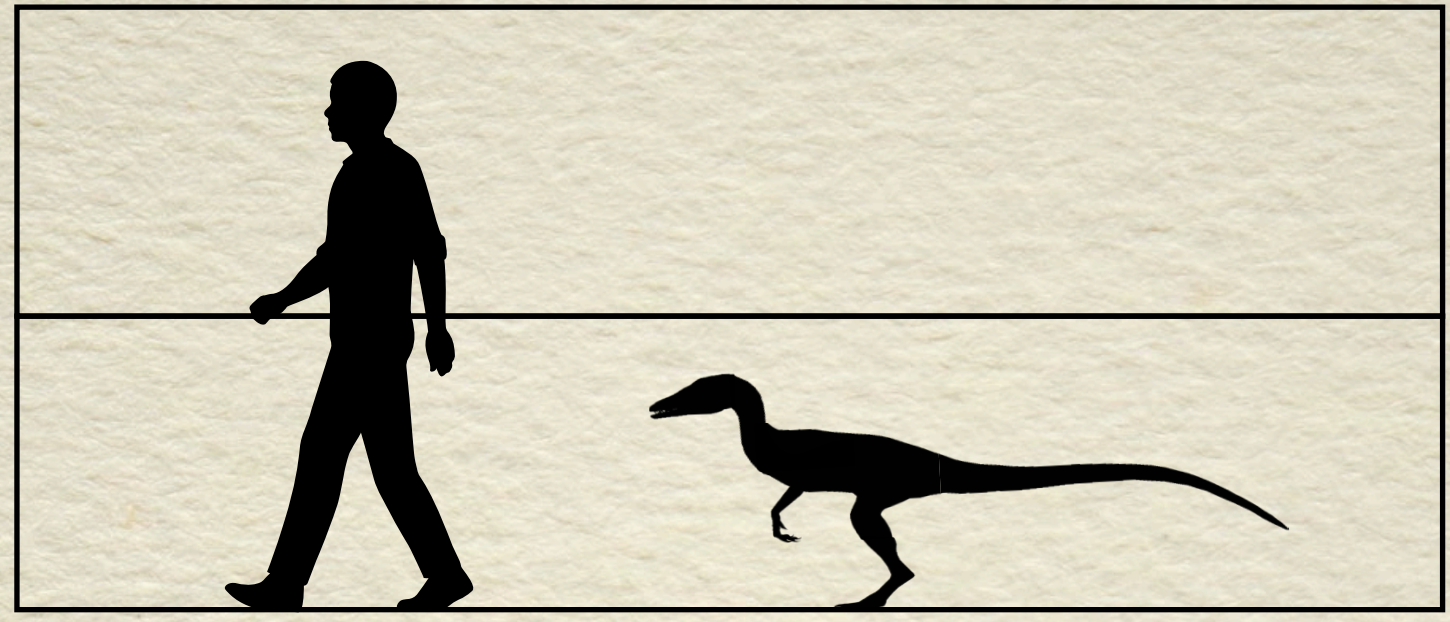
DIG SITES: ELRHAZ FORMATION

FOUND IN: AFRICA

DINO FACT!

THE BULGE AT THE END OF THE SNOUT OF SARCOSUCHUS IS CALLED A BULLA, IT IS UNKNOWN WHAT THIS WAS USED FOR. ITS BODY WAS COVERED IN OSTEODERMS PROVIDING NEAR UNINTERRUPTED ARMOUR

SPECIES PROFILE: SEGISAURUS HALLI (SEGI CANYON LIZARD)



HEIGHT: 0.5-0.8M

LENGTH: 1.6-1.8M

ERA: EARLY JURASSIC

DIET: CARNIVORE

DANGER LEVEL: MEDIUM

DIG SITES: NAVAJO SANDSTONE FORMATION

FOUND IN: NORTH AMERICA

DINO FACT!

SEGISAURUS IS A SMALL CEOLOPHYSID THAT HAD SOLID BONES INSTEAD OF CEOLOPHYSIS' HOLLOW ONES

SPECIES PROFILE: SPINOSAURUS AEGYPTIACUS (SPINE LIZARD)

HEIGHT: 6.3-6.7MM
LENGTH: 14.9-15.4MM
ERA: LATE CRETACEOUS
DIET: PISCIVORE/CARNIVORE
DANGER LEVEL: VERY HIGH
DIG SITES: BAHARIYA, CHENINI FORMATION
FOUND IN: AFRICA

DINO FACT!

RECENT EVIDENCE SUGGESTS SPINOSAURUS WAS QUADRUPEDAL AND HAD A TAIL FLUKE WHICH AIDED IN A SEMI AQUATIC LIFESTYLE. IT HAD DENSER BONES WHICH ALLOWED IT TO DIVE AND PURSUE PREY UNDERWATER. A LARGE HOOKED THUMB CLAW PROBABLY HELPED IN CATCHING SLIPPERY FISH

SPECIES PROFILE: STYRACOSAURUS ALBERTENSIS (SPIKE LIZARD)

HEIGHT: 4.0-4.3M

LENGTH: 7.8-8.2M

ERA: LATE CRETACEOUS

DIET: HERBIVORE

DANGER LEVEL: LOW

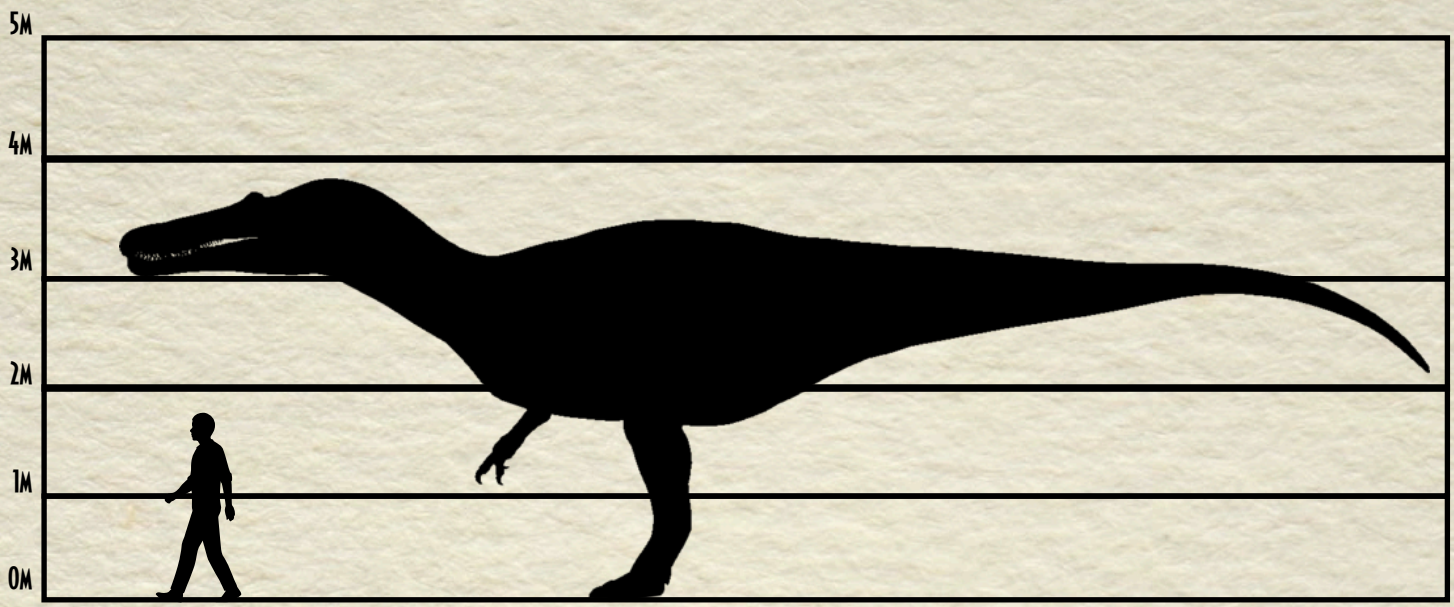
DIG SITES: DINOSAUR PARK, LARAMIE FORMATION

FOUND IN: NORTH AMERICA

DINO FACT!

STYRACOSAURUS WAS LIKELY A HERD ANIMAL WHICH TRAVELLED IN HERDS, USING THEIR BEAK AND CONTINUOUS DENTAL BATTERIES TO SLICE UP PLANTS

SPECIES PROFILE: SUCHOMIMUS TENERENSIS (CROCODILE MIMIC)



HEIGHT: 3.4-3.6M

LENGTH: 11.4-11.6M

ERA: EARLY CRETACEOUS

DIET: CARNIVORE

DANGER LEVEL: HIGH

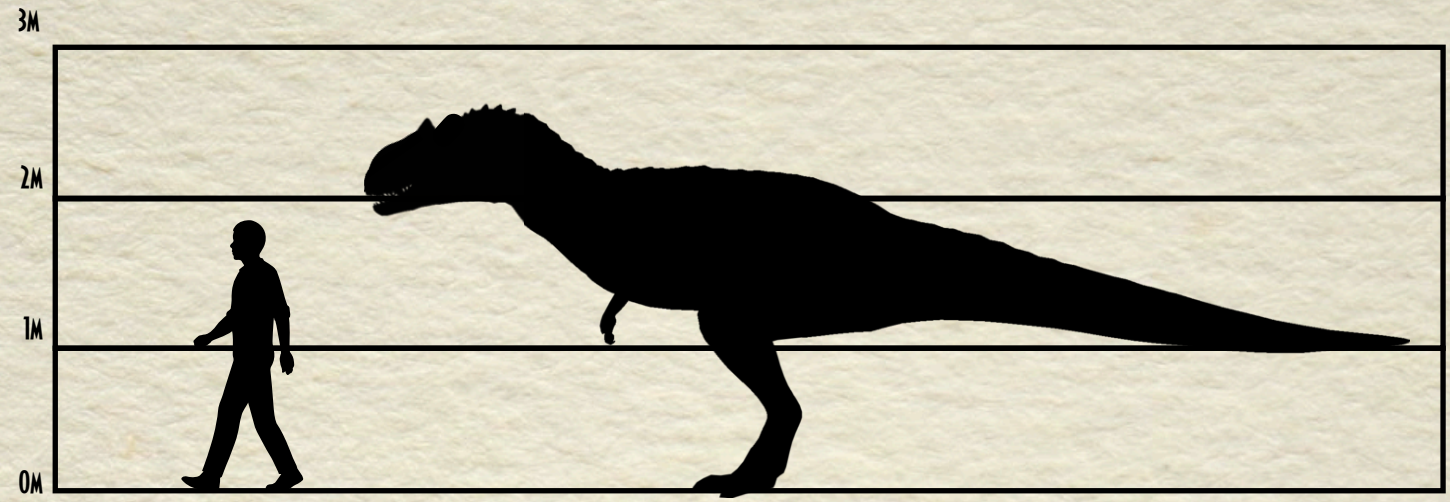
DIG SITES: ELRHAZ, GUETTAR FORMATION

FOUND IN: AFRICA

DINO FACT!

SUCHOMIMUS HAS A LONG NARROW SNOUT WITH LONG, CURVED TEETH FOR GRIPPING SLIPPERY FISH, ITS MORE HOLLOW BONES SUGGEST A LIFESTYLE OF STALKING PREY IN SHALLOW WATER AS OPPOSED TO DIVING

SPECIES PROFILE: TERATOPHONEUS CURRIEI (MONSTER MURDERER)



HEIGHT: 2.3-2.6M

LENGTH: 6.1-6.5M

ERA: LATE CRETACEOUS

DIET: CARNIVORE

DANGER LEVEL: LOW

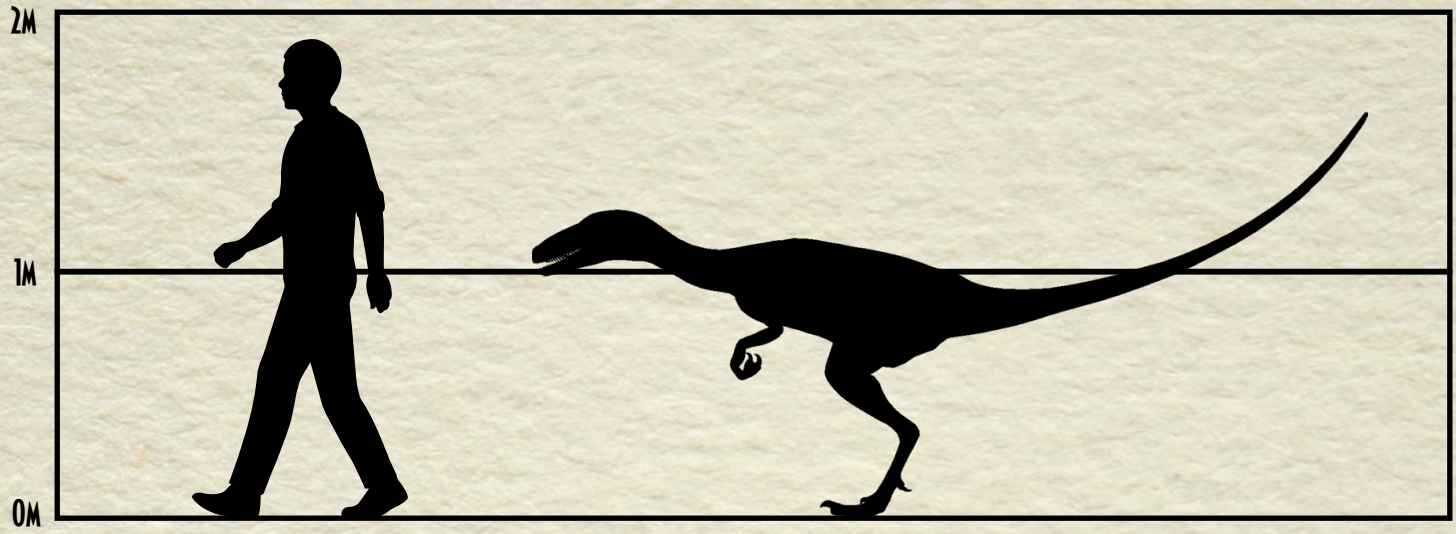
DIG SITES: KAIPAROWITS FORMATION

FOUND IN: NORTH AMERICA

DINO FACT!

TERATOPHONEUS HAS A SHORTER BUT DEEPER SKULL WHICH IS SUSPECTED TO HAVE GIVEN MORE POINTS OF ATTACHMENT FOR STRONGER JAW MUSCLES THAT IN TURN INCREASED ITS BITE FORCE. A BONE BED PROVIDES EVIDENCE TO SUGGEST THAT TERATOPHONEUS AND OTHER TYRANNOSAURS WERE LIKELY GREGARIOUS/LIVED WITH OTHER MEMBERS OF THEIR SPECIES

SPECIES PROFILE: TROODON FORMOSUS (WOUNDING TOOTH)



HEIGHT: 1.1-1.3M

LENGTH: 2.9-3.2M

ERA: LATE CRETACEOUS

DIET: CARNIVORE

DANGER LEVEL: HIGH

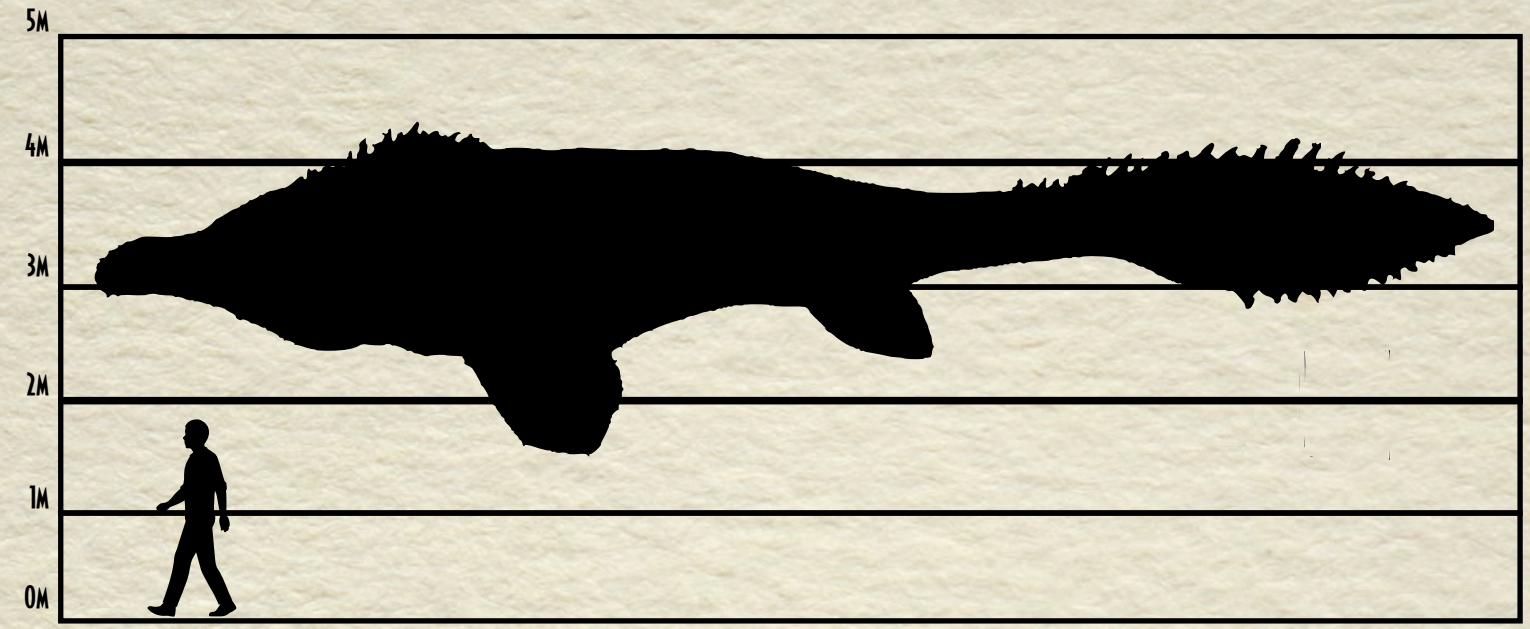
DIG SITES: DINOSAUR PARK, PRINCE CREEK FORMATIONS

FOUND IN: NORTH AMERICA

DINO FACT!

TROODONS HAD A LARGE BRAIN-TO-BODY RATIO INDICATING HIGH INTELLIGENCE, IT LIKELY DISPLAYED PARENTAL BEHAVIOUR AND DENTAL STUDIES INDICATE A DIET PRIMARILY COMPOSED OF MEAT AS OPPOSED TO PLANTS AND INVERTEBRATES

SPECIES PROFILE: TYLOSAURUS PRORIGER (PROTUBERANCE)



HEIGHT: 1.3-2.1M

LENGTH: 8.2-16.1M

ERA: LATE CRETACEOUS

DIET: PISCIVORE/CARNIVORE

DANGER LEVEL: VERY HIGH

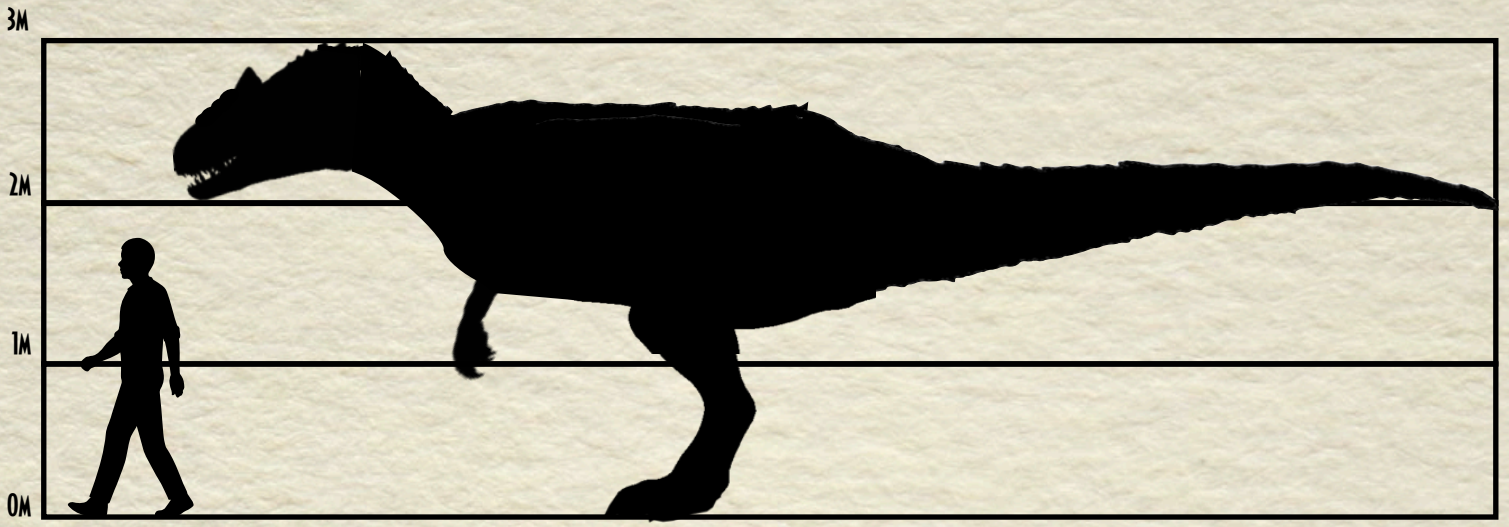
DIG SITES: CANDELEROS FORMATION

FOUND IN: OPEN WATERS

DINO FACT!

TYLOSAURUS HAS A CONICAL SNOUT WHICH IS UNIQUE TO ITS SPECIES. ITS TEETH DIDN'T GO UP UNTIL THE END OF ITS SNOUT AND ITS BONE STRUCTURE INDICATES THE SKULL RESISTED STRESS WELL SUGGESTING THAT IT MAY HAVE USED THIS SNOUT FOR RAMMING

SPECIES PROFILE: YUTYRANNUS HUALI (BEAUTIFUL FEATHERED TYRANT)



HEIGHT: 2.7-3.0M

LENGTH: 8.8-9.2M

ERA: EARLY CRETACEOUS

DIET: CARNIVORE

DANGER LEVEL: HIGH

DIG SITES: YIXIAN FORMATION

FOUND IN: ASIA

DINO FACT!

YUTYRANNUS IS ONE OF THE FIRST AND LARGEST DINOSAURS TO DISPLAY DIRECT EVIDENCE FOR FEATHERING. IT ALSO HAD A WAVY CREST ON ITS SNOUT AND SOME EVIDENCE SUGGESTS IT MAY HAVE BEEN A PACK HUNTER

SPECIES INCLUDED:

BASE PACK

- Allosaurus
- Ankylosaurus
- Apatosaurus
- Atrociraptor
- Baryonyx
- Brachiosaurus
- Carnotaurus
- Compsognathus
- Dilophosaurus
- Dimetrodon
- Dimorphodon
- Dreadnoughtus
- Gallimimus
- Giganotosaurus
- Iguanodon
- Lystrosaurus
- Microceratus
- Moros intrepidus
- Mosasaurus
- Nasutoceratops
- Oviraptor
- Parasaurolophus
- Pteranodon
- Pyroraptor
- Quetzalcoatlus
- Sinoceratops
- Stegosaurus
- stygimoloch
- Therizinosaurus
- Triceratops
- Tyrannosaurus rex
- Velociraptor

EXTENSION PACK

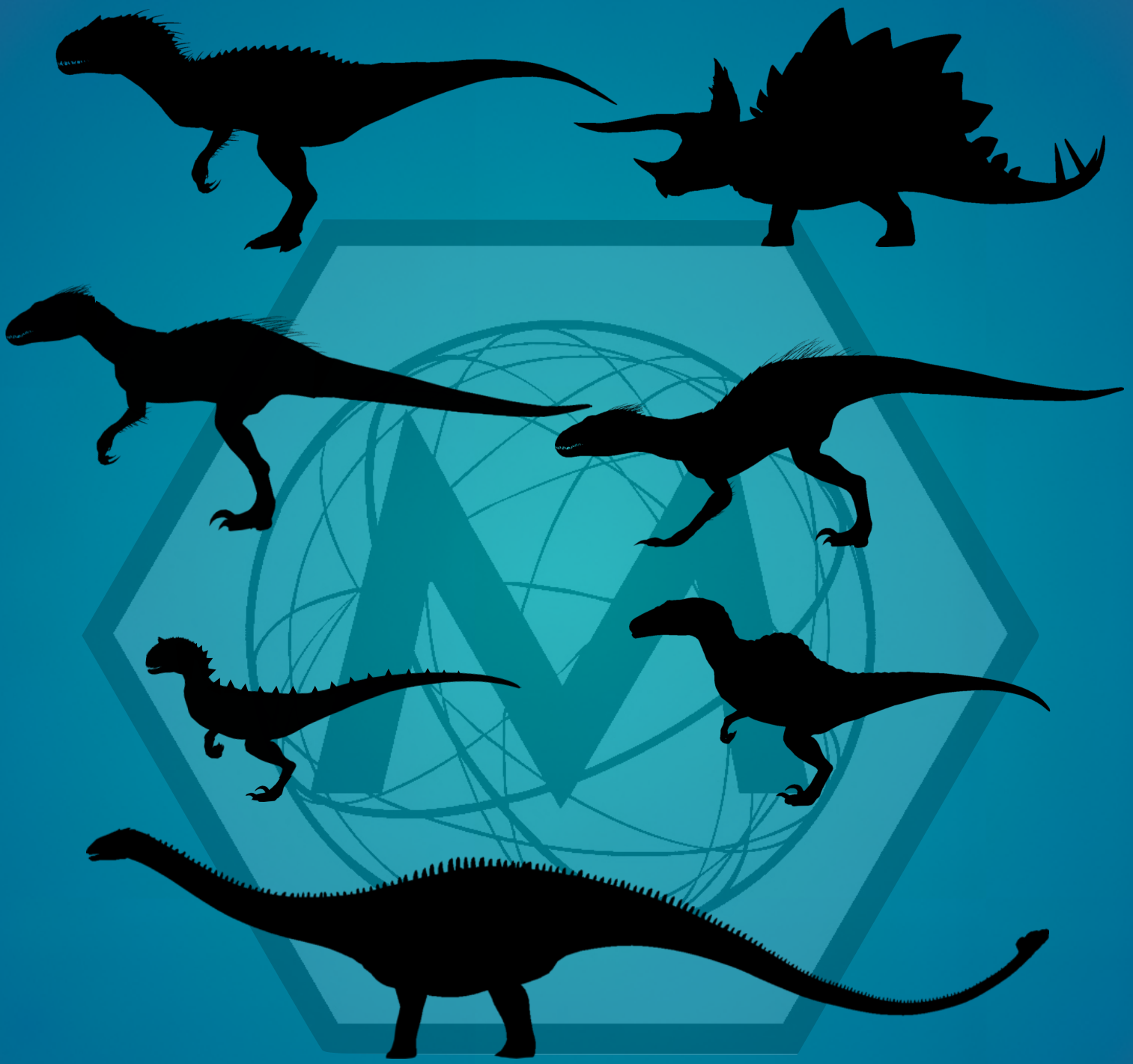
- acrocanthosaurus
- Agujaceratops
- Ceratosaurus
- Concavenator
- Corythosaurus
- Deinonychus
- Diplodocus
- Dracorex
- Dryosaurus
- Edmontosaurus
- Euplocephalus
- Herrerasaurus
- Kentrosaurus
- Kosmoceratops
- Lesothosaurus
- Lythronax
- Maiasaura
- Mamenchisaurus
- Metriacanthosaurus
- Monolophosaurus
- Mononykus
- Ouranosaurus
- Pachycephalosaurus
- Pachyrhinosaurus
- Peloroplites
- Plesiosaurus
- Proceratosaurus
- Protoceratops
- Sarcosuchus
- Segisaurus
- Spinosaurus
- Styracosaurs
- Suchomimus
- Teratophoneus
- Troodon
- Tylosaurus
- Yutyrannus

MORE PACKS COMING SOON...

CHECK OUT THE OTHER ITEMS ON WWW.DINOMIKEMAK.WEEBLY.COM

The restricted area

A 'dinosaurs of the world' extension module



"WE'VE ENTERED A NEW ERA
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IT IS NOW MORE IMPORTANT THAN EVER TO BE AWARE OF OUR SURROUNDINGS, LOOK FOR SIGNS OF DINO ACTIVITY AND KEEP OUT OF RESTRICTED AREAS. THIS BOOK WILL HELP YOU LEARN TO LIVE IN THIS NEW WORLD WHERE PAST MEETS PRESENT. IT COVERS OVER 50 SPECIES OF PREHISTORIC CREATURES FROM ALLOSAURUS TO MICROCERATUS, SO YOU CAN RECOGNISE THE MANY TYPES OF DINOSAURS WHILE STAYING SAFE AND INFORMED IN THE JURASSIC WORLD WE FIND OURSELVES IN.

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